Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

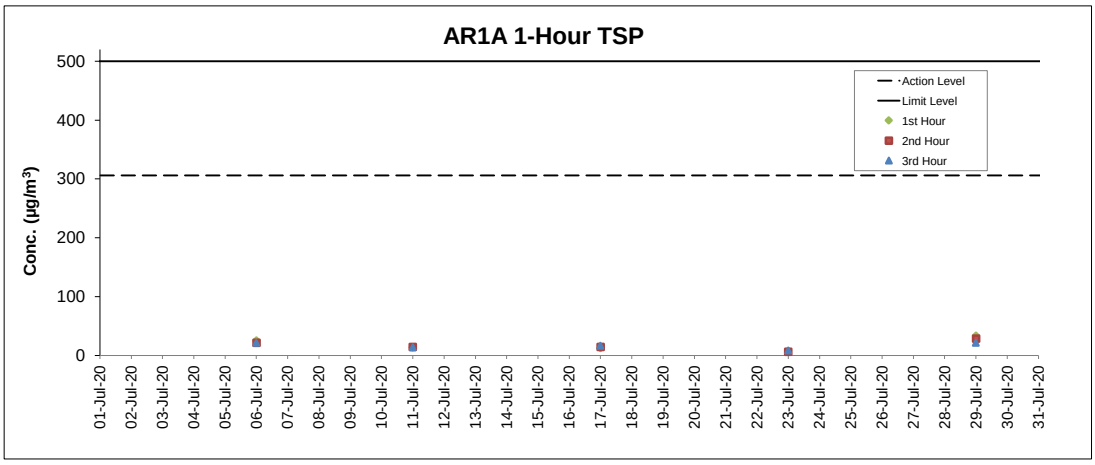
Station: AR1A- Man Tung Road Park

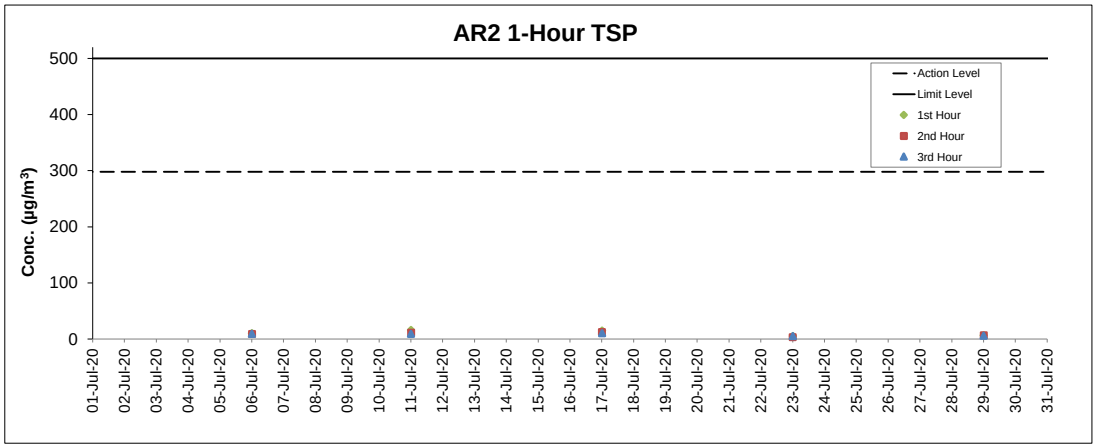
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
06-Jul-20	13:20	Sunny	7.5	233	26	306	500
06-Jul-20	14:20	Sunny	7.8	227	22	306	500
06-Jul-20	15:20	Sunny	7.2	223	22	306	500
11-Jul-20	13:35	Sunny	6.1	200	14	306	500
11-Jul-20	14:35	Sunny	6.1	190	15	306	500
11-Jul-20	15:35	Sunny	6.7	198	14	306	500
17-Jul-20	14:09	Sunny	8.6	227	13	306	500
17-Jul-20	15:09	Sunny	6.4	205	15	306	500
17-Jul-20	16:09	Sunny	8.1	222	17	306	500
23-Jul-20	08:40	Sunny	1.7	27	8	306	500
23-Jul-20	09:40	Sunny	2.5	258	7	306	500
23-Jul-20	10:40	Sunny	1.7	280	9	306	500
29-Jul-20	13:03	Cloudy	2.2	255	34	306	500
29-Jul-20	14:03	Cloudy	2.2	variale	29	306	500
29-Jul-20	15:03	Cloudy	5.3	63	22	306	500

1-hour TSP Results

Station: AR2- Village House, Tin Sum

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
06-Jul-20	09:46	Sunny	5.0	228	10	298	500
06-Jul-20	10:46	Sunny	6.7	226	9	298	500
06-Jul-20	11:46	Sunny	6.4	223	9	298	500
11-Jul-20	09:49	Sunny	6.7	183	16	298	500
11-Jul-20	10:49	Sunny	6.7	201	11	298	500
11-Jul-20	11:49	Sunny	6.1	221	9	298	500
17-Jul-20	09:35	Sunny	5.8	202	15	298	500
17-Jul-20	10:35	Sunny	5.8	205	12	298	500
17-Jul-20	11:35	Sunny	5.0	225	10	298	500
23-Jul-20	13:15	Sunny	6.1	255	5	298	500
23-Jul-20	14:15	Sunny	6.1	247	3	298	500
23-Jul-20	15:17	Sunny	4.4	262	5	298	500
29-Jul-20	09:19	Sunny	2.2	281	6	298	500
29-Jul-20	10:19	Sunny	3.3	305	6	298	500
29-Jul-20	11:19	Sunny	2.8	291	6	298	500





Notes

1. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
2. Weather conditions during monitoring are presented in the data tables above.
3. QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Noise Monitoring Results

Noise Measurement Results
Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
06-Jul-20	Sunny	15:25	69.5	51.0	71
06-Jul-20	Sunny	15:30	70.3	52.8	
06-Jul-20	Sunny	15:35	71.2	54.9	
06-Jul-20	Sunny	15:40	71.9	52.2	
06-Jul-20	Sunny	15:45	72.1	53.5	
06-Jul-20	Sunny	15:50	68.5	53.8	
17-Jul-20	Sunny	15:12	74.1	51.2	73
17-Jul-20	Sunny	15:17	71.7	50.9	
17-Jul-20	Sunny	15:22	70.5	52.2	
17-Jul-20	Sunny	15:27	73.8	65.7	
17-Jul-20	Sunny	15:32	73.7	61.9	
17-Jul-20	Sunny	15:37	71.7	54.9	
23-Jul-20	Sunny	14:18	68.4	61.4	67
23-Jul-20	Sunny	14:23	62.9	55.3	
23-Jul-20	Sunny	14:28	62.1	57.3	
23-Jul-20	Sunny	14:33	61.8	56.6	
23-Jul-20	Sunny	14:38	68.4	60.6	
23-Jul-20	Sunny	14:43	68.3	62.2	
29-Jul-20	Cloudy	13:31	69.4	50.9	70
29-Jul-20	Cloudy	13:36	69.9	51.9	
29-Jul-20	Cloudy	13:41	70.3	51.4	
29-Jul-20	Cloudy	13:46	72.0	54.1	
29-Jul-20	Cloudy	13:51	68.3	57.0	
29-Jul-20	Cloudy	13:56	70.5	64.7	

Remarks:
+3dB (A) correction was applied to free-field measurement.

Noise Measurement Results
Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
06-Jul-20	Sunny	13:41	63.9	57.9	63
06-Jul-20	Sunny	13:46	60.6	55.6	
06-Jul-20	Sunny	13:51	59.0	54.9	
06-Jul-20	Sunny	13:56	64.3	56.4	
06-Jul-20	Sunny	14:01	62.4	56.6	
06-Jul-20	Sunny	14:06	61.4	57.3	
13-Jul-20	Sunny	10:57	61.9	55.2	61
13-Jul-20	Sunny	11:02	59.8	55.7	
13-Jul-20	Sunny	11:07	62.7	55.4	
13-Jul-20	Sunny	11:12	59.2	55.3	
13-Jul-20	Sunny	11:17	59.9	55.9	
13-Jul-20	Sunny	11:22	60.5	55.7	
23-Jul-20	Sunny	13:01	61.1	56.9	64
23-Jul-20	Sunny	13:06	62.0	57.3	
23-Jul-20	Sunny	13:11	61.9	57.4	
23-Jul-20	Sunny	13:16	63.6	59.1	
23-Jul-20	Sunny	13:21	63.6	58.0	
23-Jul-20	Sunny	13:26	60.9	57.6	
29-Jul-20	Cloudy	14:20	62.5	56.3	64
29-Jul-20	Cloudy	14:25	63.1	56.7	
29-Jul-20	Cloudy	14:30	61.3	57.0	
29-Jul-20	Cloudy	14:35	66.9	57.5	
29-Jul-20	Cloudy	14:40	73.8	57.2	
29-Jul-20	Cloudy	14:45	70.2	58.6	

Remarks:
+3dB (A) correction was applied to free-field measurement.

Noise Measurement Results
Station: NM5- Village House, Tin Sum

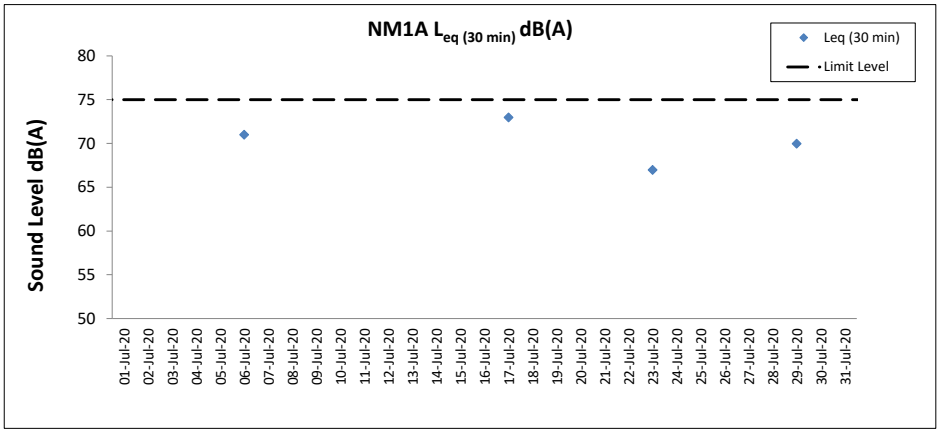
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
06-Jul-20	Sunny	10:34	58.9	54.7	61
06-Jul-20	Sunny	10:39	56.5	54.1	
06-Jul-20	Sunny	10:44	59.6	54.7	
06-Jul-20	Sunny	10:49	67.0	55.4	
06-Jul-20	Sunny	10:54	55.8	53.1	
06-Jul-20	Sunny	10:59	64.6	53.5	
17-Jul-20	Sunny	9:38	49.3	43.1	53
17-Jul-20	Sunny	9:43	59.1	41.1	
17-Jul-20	Sunny	9:48	50.3	41.5	
17-Jul-20	Sunny	9:53	55.9	41.2	
17-Jul-20	Sunny	9:58	46.6	41.5	
17-Jul-20	Sunny	10:03	44.9	41.2	
23-Jul-20	Sunny	13:19	54.9	51.3	59
23-Jul-20	Sunny	13:24	54.2	51.5	
23-Jul-20	Sunny	13:29	62.1	52.3	
23-Jul-20	Sunny	13:34	62.9	51.6	
23-Jul-20	Sunny	13:39	61.4	51.9	
23-Jul-20	Sunny	13:44	55.3	51.4	
29-Jul-20	Cloudy	9:19	51.8	45.0	55
29-Jul-20	Cloudy	9:24	49.9	46.1	
29-Jul-20	Cloudy	9:29	51.2	46.0	
29-Jul-20	Cloudy	9:34	53.7	45.8	
29-Jul-20	Cloudy	9:39	60.7	45.2	
29-Jul-20	Cloudy	9:44	49.3	45.9	

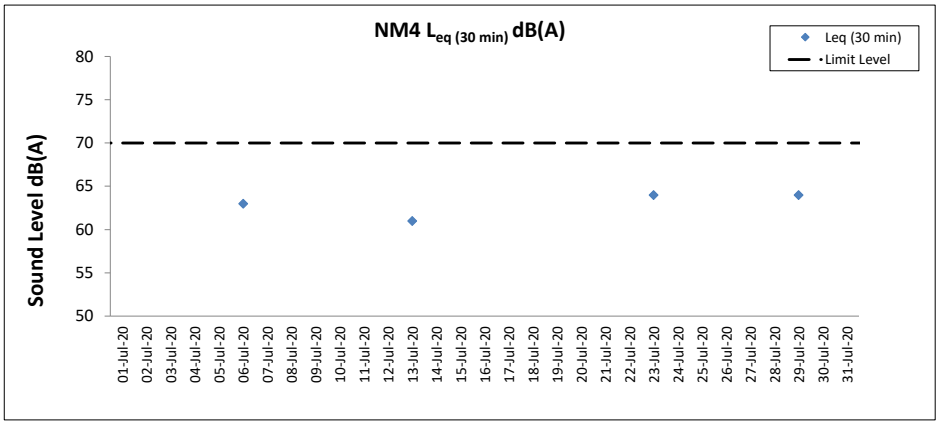
Remarks:
+3dB (A) correction was applied to free-field measurement.

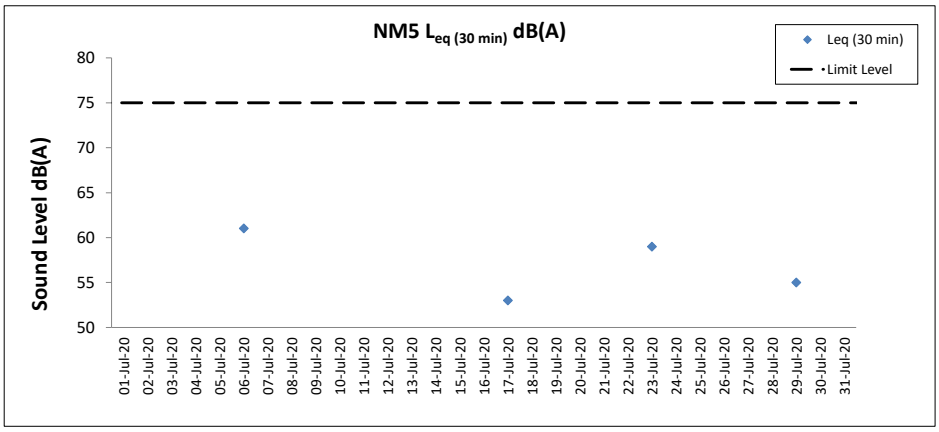
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

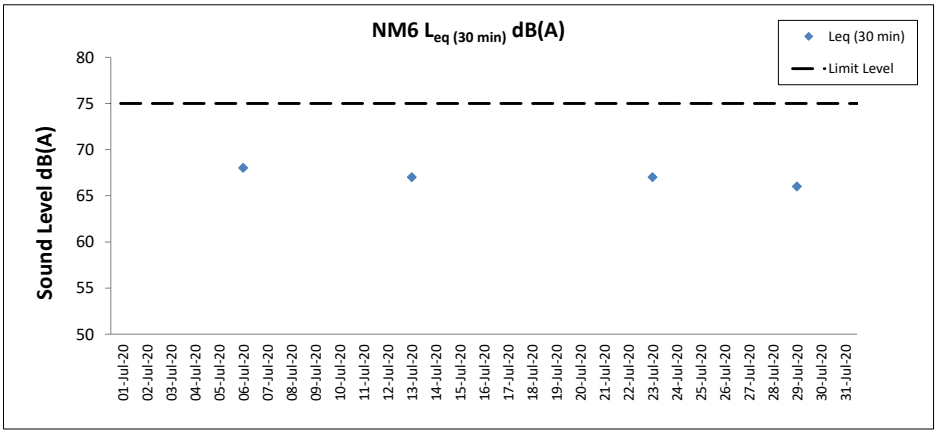
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
06-Jul-20	Sunny	15:46	71.3	55.2	68
06-Jul-20	Sunny	15:51	73.6	53.0	
06-Jul-20	Sunny	15:56	67.2	54.3	
06-Jul-20	Sunny	16:01	69.3	54.5	
06-Jul-20	Sunny	16:06	72.7	54.7	
06-Jul-20	Sunny	16:11	67.2	52.7	
13-Jul-20	Sunny	9:38	64.5	47.6	67
13-Jul-20	Sunny	9:43	70.6	48.7	
13-Jul-20	Sunny	9:48	53.9	44.1	
13-Jul-20	Sunny	9:53	60.2	45.1	
13-Jul-20	Sunny	9:58	63.1	45.3	
13-Jul-20	Sunny	10:03	55.9	47.0	
23-Jul-20	Sunny	15:47	71.3	57.4	67
23-Jul-20	Sunny	15:52	62.8	54.9	
23-Jul-20	Sunny	15:57	67.1	54.8	
23-Jul-20	Sunny	16:02	70.1	54.4	
23-Jul-20	Sunny	16:07	66.9	55.8	
23-Jul-20	Sunny	16:12	65.3	55.6	
29-Jul-20	Cloudy	15:45	66.7	55.9	66
29-Jul-20	Cloudy	15:50	67.7	57.5	
29-Jul-20	Cloudy	15:55	65.2	56.0	
29-Jul-20	Cloudy	16:00	67.0	52.8	
29-Jul-20	Cloudy	16:05	65.8	53.8	
29-Jul-20	Cloudy	16:10	67.3	51.3	

Remarks:
+3dB (A) correction was applied to free-field measurement.









Notes

1. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
2. Weather conditions during monitoring are presented in the data tables above.
3. QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	10:36	8.2	Surface	1.0	0.5	212	28.2	28.2	8.1	8.1	17.0	17.0	98.9	98.9	7.0	6.8	3.0	3.6	3	4	87	90	815618	804265	<0.2	<0.2	0.9	1.0
						1.0	0.5	227	28.2		8.1		17.0		98.9		7.0		3.0		4		87				<0.2		0.9	
					Middle	4.1	0.6	179	27.6	27.6	8.1	8.1	18.9	18.9	93.4	93.2	6.6		3.7		5		90				<0.2		0.9	
						4.1	0.6	192	27.6		8.1		18.9		93.0		6.6		3.7		4		91				<0.2		1.0	
					Bottom	7.2	0.7	209	25.8	25.8	8.0	8.0	27.4	27.4	66.3	66.3	4.6	4.6	3.9		5		92				<0.2		1.0	
						7.2	0.7	211	25.8		8.0		27.4		66.3		4.6		4.1		4		92				<0.2		1.1	
C2	Cloudy	Moderate	11:58	11.4	Surface	1.0	0.9	168	28.8	28.8	7.9	7.9	13.3	13.3	85.6	85.5	6.1	5.5	2.7	3.4	6	5	88	91	825702	806923	<0.2	<0.2	0.9	1.0
						1.0	1.0	181	28.8		7.9		13.3		85.3		6.1		2.7		5		89				<0.2		1.0	
					Middle	5.7	0.8	161	27.1	27.1	7.9	7.9	21.9	21.8	69.2	69.1	4.9		3.2		5		92				<0.2		1.0	
						5.7	0.8	176	27.1		7.9		21.8		68.9		4.9		3.2		5		92				<0.2		1.0	
					Bottom	10.4	0.3	141	26.5	26.5	7.9	7.9	25.0	25.0	65.2	65.4	4.6	4.6	4.6		4		93				<0.2		1.0	
						10.4	0.4	148	26.5		7.9		24.9		65.5		4.6		4.3		3		94				<0.2		1.0	
C3	Cloudy	Moderate	09:43	12.3	Surface	1.0	0.7	101	27.6	27.6	8.1	8.1	21.1	21.1	99.4	99.5	7.0	6.4	2.0	3.8	6	6	88	90	822112	817789	<0.2	<0.2	0.6	0.7
						1.0	0.8	109	27.6		8.1		21.0		99.6		7.0		1.9		6		89				<0.2		0.8	
					Middle	6.2	0.3	100	26.5	26.5	8.0	8.0	25.3	25.3	81.4	81.2	5.7		2.2		6		90				<0.2		0.8	
						6.2	0.3	109	26.5		8.0		25.3		81.0		5.7		2.1		5		90				<0.2		0.7	
					Bottom	11.3	0.2	47	25.0	25.0	7.9	7.9	30.1	30.1	66.8	67.0	4.7	4.7	7.0		5		92				<0.2		0.8	
						11.3	0.2	50	25.0		7.9		30.2		67.2		4.7		7.6		5		93				<0.2		0.7	
IM1	Cloudy	Moderate	10:56	5.1	Surface	1.0	0.1	54	28.4	28.4	8.2	8.2	16.1	16.1	102.3	102.3	7.3	7.3	3.6	4.1	5	4	89	90	817972	807113	<0.2	<0.2	0.8	0.8
						1.0	0.1	57	28.4		8.2		16.1		102.3		7.3		3.6		4		89				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	13	26.4	26.4	8.0	8.0	25.1	25.1	66.3	66.3	4.6	4.6	4.7		4		91				<0.2		0.8	
						4.1	0.2	13	26.4		8.0		25.2		66.3		4.6		4.7		4		90				<0.2		0.8	
IM2	Rainy	Moderate	11:04	7.0	Surface	1.0	0.4	239	27.1	27.1	8.0	8.0	21.5	21.5	74.5	74.5	5.3	4.7	3.8	5.4	5	4	86	89	818151	806174	<0.2	<0.2	0.9	0.9
						1.0	0.4	257	27.1		8.0		21.5		74.4		5.2		3.9		4		86				<0.2		1.0	
					Middle	3.5	0.1	222	25.7	25.7	8.0	8.0	27.5	27.5	59.8	59.8	4.2		5.5		4		89				<0.2		0.8	
						3.5	0.1	227	25.7		8.0		27.5		59.8		4.2		5.5		4		90				<0.2		0.8	
					Bottom	6.0	0.1	305	25.6	25.6	8.0	8.0	28.1	28.1	60.7	60.8	4.2	4.2	7.0		4		90				<0.2		0.9	
						6.0	0.1	329	25.6		8.0		28.1		60.8		4.2		6.9		4		91				<0.2		0.9	
IM3	Rainy	Moderate	11:11	7.2	Surface	1.0	0.2	279	28.2	28.2	8.1	8.1	17.3	17.3	94.4	94.3	6.7	5.4	3.3	5.1	4	5	86	89	818799	805592	<0.2	<0.2	0.9	0.9
						1.0	0.2	302	28.2		8.1		17.3		94.2		6.7		3.4		4		86				<0.2		0.9	
					Middle	3.6	0.2	280	26.0	26.0	7.9	7.9	26.6	26.6	58.6	58.5	4.1		4.9		5		90				<0.2		1.0	
						3.6	0.2	283	25.9		7.9		26.6		58.4		4.1		5.1		6		90				<0.2		0.9	
					Bottom	6.2	0.1	278	25.7	25.7	7.9	7.9	27.6	27.6	55.8	55.9	3.9	3.9	7.1		6		91				<0.2		1.0	
						6.2	0.1	285	25.7		7.9		27.6		55.9		3.9		6.9		6		91				<0.2		0.9	
IM4	Cloudy	Moderate	11:20	8.3	Surface	1.0	0.9	169	28.6	28.6	8.2	8.2	13.9	13.9	101.0	101.0	7.2	7.0	3.5	4.0	2	3	85	89	819741	804610	<0.2	<0.2	0.9	0.9
						1.0	1.0	180	28.6		8.2		13.9		101.0		7.2		3.5		3		86				<0.2		0.9	
					Middle	4.2	0.9	176	27.9	27.9	8.1	8.1	18.1	18.1	94.6	94.6	6.7		3.7		3		89				<0.2		0.9	
						4.2	1.0	184	27.9		8.1		18.1		94.6		6.7		3.7		2		90				<0.2		0.9	
					Bottom	7.3	0.9	192	26.8	26.8	8.0	8.0	23.2	23.2	75.0	75.1	5.3	5.3	4.6		3		91				<0.2		0.9	
						7.3	0.9	204	26.8		8.0		23.2		75.1		5.3		4.7		3		91				<0.2		0.8	
IM5	Cloudy	Moderate	11:31	7.5	Surface	1.0	0.8	188	28.5	28.5	8.1	8.1	14.4	14.2	93.8	93.7	6.7	6.3	3.3	5.3	3	3	85	88	820720	804863	<0.2	<0.2	0.9	0.9
						1.0	0.9	198	28.5		8.1		14.0		93.6		6.7		3.3		3		85				<0.2		1.0	
					Middle	3.8	0.8	210	27.5	27.5	8.0	8.0	19.7	19.6	81.5	81.5	5.8		5.5		3		89				<0.2		0.9	
						3.8	0.8	211	27.4		8.0		19.6		81.4		5.8		5.6		4		89				<0.2		0.9	
					Bottom	6.5	0.5	220	26.6	26.6	8.0	8.0	23.9	23.9	69.1	69.2	4.9	4.9	7.0		4		90				<0.2		0.9	
						6.5	0.5	230	26.6		8.0		23.9		69.2		4.9		7.3		3		90				<0.2		0.9	
IM6	Rainy	Moderate	11:40	7.2	Surface	1.0	0.5	224	28.6	28.6	8.1	8.1	14.6	14.6	99.9	99.9	7.2	6.7	3.4	4.1	3	4	86	89	821047	805849	<0.2	<0.2	0.9	0.9
						1.0	0.5	231	28.6		8.1		14.5		99.8		7.1		3.4		4		86				<0.2		0.8	
					Middle	3.6	0.5	259	27.7	27.7	8.1	8.1	19.3	19.0	89.6	89.5	6.3		3.6		4		89				<0.2		1.0	
						3.6	0.6	269	27.7		8.1		18.8		89.4		6.3		3.6		3		90				<0.2		0.9	
					Bottom	6.2	0.6	268	26.4	26.4	8.0	8.0	24.8	24.8	63.1	63.2	4.4	4.4	5.3		4		90				<0.2		0.9	
						6.2	0.7	276	26.4		8.0		24.8		63.2		4.4		5.4		3		91				<0.2		1.0	
IM7	Rainy	Moderate	11:49	8.1	Surface	1.0	0.3	282	28.5	28.5	8.1	8.1	14.9	14.9	99.5	99.5	7.1	6.1	3.1	4.9	4	4	86	89	821349	806812	<0.2	<0.2	0.9	0.9
						1.0	0.3	283	28.5		8.1		14.9		99.5		7.1		3.1		3		86				<0.2		0.8	
					Middle	4.1	0.4	259	27.1	27.1	8.0	8.0	21.8	21.8	72.1	72.1	5.1		4.8		4		90				<0.2		0.9	
						4.1	0.4	266	27.1		8.0		21.8		72.0		5.1		4.9		4		90				<0.2		0.9	
					Bottom	7.1	0.3	259	26.2	26.2	8.0	8.0	25.9	25.9	59.8	59.9	4.2	4.2	6.6		4		91				<0.2		0.9	
						7.1	0.3	275	26.2		8.0		25.9		59.9		4.2		6.6		4		91				<0.2		0.9	
IM8	Rainy	Moderate	11:29	7.3	Surface	1.0	0.2	161	28.4	28.4	8.0	8.0	16.6	16.6	97.4	97.3	6.9	6.0	1.8	3.8	5	5	89	92	821830	808128	<0.2	<0.2	0.8	0.9
						1.0	0.2	169	28.4		8.0		16.6		97.1		6.9		1.8		6		89				<0.2		0.8	
					Middle	3.7	0.3	182	27.2	27.2	7.8	7.8	21.4	21.4	71.2	71.0	5.0		3.2		4		91				<0.2		0.9	
						3.7	0.3	185	27.2		7.8		21.5		70.8		5.0		3.3		5		92				<0.2		0.9	
					Bottom	6.3	0.2	237	27.0	27.0	7.8	7.8	22.4	22.4	68.0	68.1	4.8	4.8	6.4		4		94				<0.2		0.9	
						6.3	0.2	254	27.0		7.8		22.4		68.2		4.8		6.3		4		94				<0.2		0.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	11:22	7.0	Surface	1.0	0.4	139	28.0	28.0	7.9	7.9	17.9	17.9	86.5	86.5	6.1	5.9	2.5	3.2	6	5	87	90	822083	808787	<0.2	<0.2	0.8	0.9
						1.0	0.4	146	28.0		7.9		17.9		86.5		6.1		2.6		4		87				<0.2		0.9	
					Middle	3.5	0.4	132	27.7	27.7	7.9	7.9	19.1	19.0	79.5	79.5	5.6		3.0		6		91				<0.2		0.9	
						3.5	0.4	142	27.7		7.9		19.0		79.5		5.6		3.0		5		91				<0.2		0.9	
					Bottom	6.0	0.2	92	27.0	27.0	7.8	7.8	22.4	22.5	71.9	72.0	5.1	5.1	4.1		4		93				<0.2		0.9	
						6.0	0.2	94	26.9		7.8		22.6		72.1		5.1		4.1		4		93				<0.2		0.8	
IM10	Cloudy	Moderate	11:09	7.2	Surface	1.0	0.8	116	28.4	28.4	8.0	8.0	16.0	16.0	91.0	90.8	6.5	5.8	2.2	4.7	6	4	88	90	822408	809794	<0.2	<0.2	0.8	0.9
						1.0	0.9	117	28.4		8.0		16.0		90.6		6.5		2.2		5		88				<0.2		0.9	
					Middle	3.6	0.8	118	27.3	27.3	7.9	7.9	21.5	21.5	71.7	71.8	5.0		4.4		4		90				<0.2		0.9	
						3.6	0.8	119	27.3		7.9		21.5		71.8		5.0		4.6		5		91				<0.2		0.9	
					Bottom	6.2	0.5	97	27.0	27.0	7.9	7.9	22.5	22.5	69.8	70.0	4.9	4.9	7.4		3		91				<0.2		0.9	
						6.2	0.5	97	27.0		7.9		22.5		70.2		4.9		7.3		3		92				<0.2		0.9	
IM11	Cloudy	Moderate	10:55	8.2	Surface	1.0	0.9	113	28.1	28.1	7.9	7.9	17.8	17.8	86.7	86.4	6.1	5.7	2.3	4.7	4	5	87	90	822078	811439	<0.2	<0.2	0.8	0.8
						1.0	0.9	120	28.1		7.9		17.8		86.1		6.1		2.3		3		87				<0.2		0.8	
					Middle	4.1	0.7	112	27.5	27.5	7.9	7.9	20.6	20.6	74.8	74.9	5.3		3.1		5		90				<0.2		0.8	
						4.1	0.8	122	27.4		7.9		20.5		75.0		5.3		2.9		4		91				<0.2		0.8	
					Bottom	7.2	0.5	103	26.7	26.7	7.8	7.8	23.7	23.7	66.8	67.1	4.7	4.7	8.8		6		92				<0.2		0.8	
						7.2	0.5	113	26.7		7.8		23.7		67.3		4.7		8.8		5		91				<0.2		0.8	
IM12	Cloudy	Moderate	10:45	9.6	Surface	1.0	0.6	105	28.1	28.1	8.0	8.0	17.7	17.7	92.0	91.9	6.5	5.7	2.1	5.9	6	5	88	90	821478	812069	<0.2	<0.2	0.8	0.8
						1.0	0.6	112	28.1		8.0		17.7		91.8		6.5		2.2		5		89				<0.2		0.8	
					Middle	4.8	0.4	97	27.0	27.0	7.8	7.8	22.3	22.4	67.9	67.8	4.8		7.6		6		89				<0.2		0.8	
						4.8	0.4	104	27.0		7.8		22.4		67.7		4.8		7.6		5		90				<0.2		0.8	
					Bottom	8.6	0.2	100	26.9	26.9	7.8	7.8	23.0	22.9	68.0	68.2	4.8	4.8	8.1		5		92				<0.2		0.8	
						8.6	0.2	106	26.9		7.8		22.9		68.3		4.8		8.0		5		92				<0.2		0.8	
SR1A	Cloudy	Calm	10:24	4.8	Surface	1.0	-	-	28.2	28.2	8.1	8.1	19.8	19.8	102.7	102.7	7.2	7.2	2.5	2.5	6	5	-	-	819977	812661	-	-	-	-
						1.0	-	-	28.2		8.1		19.8		102.6		7.2		2.5		5		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.2	28.3	8.0	8.0	20.4	20.4	88.9	88.6	6.2	6.2	2.5		5		-				-		-	
						3.8	-	-	28.4		8.0		20.4		88.2		6.1		2.5		4		-				-		-	
SR2	Cloudy	Moderate	10:09	4.7	Surface	1.0	0.3	83	27.7	27.7	8.0	8.0	20.2	20.3	91.3	91.2	6.4	6.4	3.0	3.3	4	4	90	92	821460	814179	<0.2	<0.2	0.8	0.8
						1.0	0.3	89	27.7		8.0		20.4		91.1		6.4		3.1		4		91				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	57	27.5	27.5	8.0	8.0	21.2	21.2	83.9	83.9	5.9	5.9	3.5		5		92				<0.2		0.8	
						3.7	0.1	59	27.5		8.0		21.2		83.8		5.9		3.6		4		93				<0.2		0.8	
SR3	Rainy	Moderate	11:36	8.5	Surface	1.0	0.2	185	28.2	28.2	8.0	8.0	16.9	16.9	94.2	94.1	6.7	5.9	2.1	4.2	3	4	-	-	822164	807574	-	-	-	-
						1.0	0.2	199	28.2		8.0		16.9		93.9		6.7		2.2		4		-				-		-	
					Middle	4.3	0.2	177	27.2	27.2	7.9	7.8	21.7	21.7	71.3	71.4	5.0		3.2		3		-				-		-	
						4.3	0.2	177	27.2		7.8		21.7		71.4		5.0		3.1		4		-				-		-	
					Bottom	7.5	0.0	181	26.5	26.5	7.8	7.8	24.8	24.8	63.8	64.0	4.5	4.5	7.4		4		-				-		-	
						7.5	0.0	186	26.5		7.8		24.8		64.2		4.5		7.0		4		-				-		-	
SR4A	Cloudy	Calm	10:15	8.6	Surface	1.0	0.1	227	28.1	28.1	8.1	8.1	18.0	18.0	90.2	90.2	6.4	5.3	3.6	5.2	5	5	-	-	817196	807788	-	-	-	-
						1.0	0.1	245	28.1		8.1		18.0		90.1		6.4		3.6		4		-				-		-	
					Middle	4.3	0.1	76	26.0	26.0	7.9	7.9	26.5	26.5	59.5	59.5	4.2		4.8		6		-				-		-	
						4.3	0.2	81	26.0		7.9		26.5		59.5		4.2		4.8		5		-				-		-	
					Bottom	7.6	0.1	66	25.8	25.8	7.9	7.9	27.3	27.3	58.8	58.9	4.1	4.1	7.3		5		-				-		-	
						7.6	0.1	71	25.8		7.9		27.3		58.9		4.1		7.1		6		-				-		-	
SR5A	Rainy	Calm	09:59	3.7	Surface	1.0	0.1	82	28.7	28.7	8.2	8.2	17.5	17.5	110.0	109.9	7.7	7.7	5.2	5.4	7	7	-	-	816612	810717	-	-	-	-
						1.0	0.1	90	28.7		8.2		17.5		109.8		7.7		5.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.0	317	28.3	28.3	8.2	8.2	18.3	18.3	95.5	95.6	6.7	6.7	5.5		7		-				-		-	
						2.7	0.0	345	28.3		8.2		18.3		95.6		6.7		5.6		6		-				-		-	
SR6A	Cloudy	Calm	09:17	4.0	Surface	1.0	0.0	310	27.8	27.9	8.0	8.0	20.1	20.1	83.0	83.0	5.8	5.8	5.2	5.7	7	7	-	-	817946	814733	-	-	-	-
						1.0	0.0	310	27.9		8.0		20.1		82.9		5.8		5.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	175	27.0	27.0	8.0	8.0	23.4	23.4	73.0	73.1	5.1	5.1	6.2		6		-				-		-	
						3.0	0.1	190	27.0		8.0		23.4		73.2		5.1		6.4		6		-				-		-	
SR7	Cloudy	Moderate	09:08	15.9	Surface	1.0	0.5	81	27.3	27.3	8.0	8.0	21.9	21.9	96.9	96.9	6.8	6.3	1.7	2.0	6	5	-	-	823632	823734	-	-	-	-
						1.0	0.5	86	27.3		8.0		21.9		96.8		6.8		1.7		6		-				-		-	
					Middle	8.0	0.4	58	26.5	26.5	8.0	8.0	25.3	25.3	83.6	83.4	5.8		1.7		5		-				-		-	
						8.0	0.5	58	26.5		8.0		25.3		83.1		5.8		1.8		6		-				-		-	
					Bottom	14.9	0.3	57	24.6	24.6	7.8	7.8	31.0	31.0	60.4	60.8	4.2	4.3	2.5		4		-				-		-	
						14.9	0.3	59	24.6		7.8		30.9		61.1		4.3		2.5		5		-				-		-	
SR8	Rainy	Calm	10:37	5.1	Surface	1.0	-	-	28.0	28.0	8.0	8.0	19.1	19.1	92.6	92.5	6.5	6.5	2.9	3.2	6	5	-	-	820400	811636	-	-	-	-
						1.0	-	-	28.0		8.0		19.2		92.4		6.5		3.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	27.8	27.8	8.0	8.0	19.8	19.8	85.2	85.1	6.0	6.0	3.5		5		-				-		-	
						4.1	-	-	27.8		8.0		19.8		85.0		6.0		3.5		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	17:18	7.9	Surface	1.0	0.6	47	29.3	29.3	8.2	8.2	10.1	10.2	104.0	104.0	7.5	6.9	4.6	5.4	6	5	87	90	815611	804268	<0.2	<0.2	0.9	0.9
						1.0	0.7	48	29.3		8.2		10.2		103.9		7.5		4.6		6		88				<0.2		0.9	
					Middle	4.0	0.4	35	27.8	27.8	8.1	8.1	19.2	19.2	88.3	88.3	6.2		4.7		4		90				<0.2		0.8	
						4.0	0.4	36	27.8		8.1		19.2		88.2		6.2		4.7		4		90				<0.2		0.9	
					Bottom	6.9	0.4	40	27.1	27.1	8.0	8.0	21.5	21.5	75.5	75.4	5.3	5.3	6.8		5		92				<0.2		0.9	
						6.9	0.4	40	27.1		8.0		21.5		75.3		5.3		6.8		4		93				<0.2		0.9	
C2	Cloudy	Moderate	16:03	11.1	Surface	1.0	0.5	188	29.5	29.5	8.1	8.1	10.8	10.8	99.9	99.8	7.2	6.0	5.5	7.6	4	6	86	89	825692	806939	<0.2	<0.2	1.1	1.0
						1.0	0.6	192	29.5		8.1		10.8		99.6		7.2		5.4		5		87				<0.2		1.2	
					Middle	5.6	0.1	134	27.4	27.4	7.8	7.8	19.7	19.7	68.3	68.3	4.8		6.1		6		89				<0.2		1.0	
						5.6	0.1	139	27.3		7.8		19.7		68.2		4.9		6.0		6		90				<0.2		0.9	
					Bottom	10.1	0.3	350	26.5	26.6	7.8	7.8	24.5	24.6	60.3	60.3	4.2	4.2	11.1		6		91				<0.2		1.0	
						10.1	0.4	322	26.6		7.8		24.6		60.2		4.2		11.5		6		92				<0.2		0.8	
C3	Cloudy	Moderate	18:01	11.5	Surface	1.0	0.3	238	27.7	27.7	8.0	8.0	20.9	21.0	95.6	95.4	6.7	5.7	1.6	4.1	4	4	85	88	822109	817810	<0.2	<0.2	0.6	0.6
						1.0	0.3	244	27.7		8.0		21.0		95.1		6.7		1.5		4		86				<0.2		0.6	
					Middle	5.8	0.6	256	26.0	26.0	7.8	7.8	26.5	26.6	66.5	66.4	4.7		2.2		4		87				<0.2		0.6	
						5.8	0.6	274	26.0		7.8		26.7		66.3		4.6		2.2		4		87				<0.2		0.6	
					Bottom	10.5	0.3	285	25.4	25.4	7.8	7.8	28.7	28.7	63.9	64.0	4.5	4.5	8.7		4		91				<0.2		0.7	
						10.5	0.3	286	25.4		7.8		28.7		64.1		4.5		8.7		5		91				<0.2		0.6	
IM1	Cloudy	Moderate	16:54	4.5	Surface	1.0	0.1	54	28.6	28.6	8.2	8.2	16.6	16.6	110.4	110.4	7.8	7.8	5.4	6.1	7	7	87	89	817955	807151	<0.2	<0.2	0.6	0.7
						1.0	0.1	55	28.6		8.2		16.7		110.4		7.8		5.4		6		88				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	95	28.2	28.2	8.2	8.2	18.0	18.0	108.7	108.7	7.7	7.7	6.6		8		90				<0.2		0.6	
						3.5	0.0	101	28.2		8.2		18.1		108.6		7.7		6.9		7		90				<0.2		0.7	
IM2	Cloudy	Moderate	16:46	6.6	Surface	1.0	0.7	338	28.5	28.5	8.2	8.2	16.4	16.4	105.3	105.1	7.5	6.7	3.3	5.7	3	3	86	89	818155	806168	<0.2	<0.2	0.7	0.7
						1.0	0.8	339	28.5		8.2		16.4		104.9		7.4		3.4		3		85				<0.2		0.7	
					Middle	3.3	0.5	346	27.2	27.2	8.1	8.1	21.7	21.7	83.9	83.9	5.9		5.0		3		89				<0.2		0.7	
						3.3	0.6	318	27.2		8.1		21.7		83.8		5.9		4.8		3		89				<0.2		0.7	
					Bottom	5.6	0.5	342	26.3	26.3	8.0	8.0	23.9	24.0	69.7	69.3	4.9	4.9	8.7		3		91				<0.2		0.6	
						5.6	0.5	345	26.2		8.0		24.0		68.8		4.9		8.9		3		92				<0.2		0.7	
IM3	Cloudy	Moderate	16:38	6.8	Surface	1.0	0.7	357	28.1	28.1	8.2	8.2	18.3	18.3	106.5	106.5	7.5	6.5	3.4	7.6	3	3	85	89	818802	805604	<0.2	<0.2	0.8	0.7
						1.0	0.7	328	28.1		8.2		18.3		106.5		7.5		3.4		3		85				<0.2		0.7	
					Middle	3.4	0.6	344	27.1	27.1	8.0	8.0	22.8	22.8	78.1	78.1	5.5		8.1		3		89				<0.2		0.6	
						3.4	0.7	316	27.1		8.0		22.7		78.0		5.5		8.1		4		89				<0.2		0.7	
					Bottom	5.8	0.5	328	25.8	25.8	8.0	8.0	27.5	27.5	59.5	59.6	4.2	4.2	11.3		3		91				<0.2		0.7	
						5.8	0.5	337	25.8		8.0		27.5		59.7		4.2		11.4		4		92				<0.2		0.6	
IM4	Cloudy	Moderate	16:27	7.6	Surface	1.0	0.7	339	28.3	28.3	8.2	8.2	17.8	17.8	111.7	111.6	7.9	7.1	3.9	5.4	3	3	85	89	819712	804610	<0.2	<0.2	0.7	0.7
						1.0	0.8	345	28.3		8.2		17.9		111.5		7.9		3.9		3		86				<0.2		0.7	
					Middle	3.8	0.7	332	27.5	27.5	8.1	8.1	21.4	21.3	87.9	87.8	6.2		5.2		3		89				<0.2		0.7	
						3.8	0.7	348	27.5		8.1		21.3		87.7		6.2		5.2		4		89				<0.2		0.7	
					Bottom	6.6	0.6	338	26.3	26.3	8.0	8.0	25.5	25.5	67.0	67.1	4.7	4.7	7.3		3		91				<0.2		0.7	
						6.6	0.6	341	26.3		8.0		25.5		67.1		4.7		7.2		3		92				<0.2		0.7	
IM5	Cloudy	Moderate	16:17	7.1	Surface	1.0	0.4	339	29.0	29.0	8.2	8.2	14.1	14.1	109.4	109.4	7.8	8.1	3.9	5.0	3	3	85	89	820718	804876	<0.2	<0.2	0.9	0.9
						1.0	0.4	343	29.0		8.2		14.2		109.4		7.8		4.0		4		85				<0.2		0.9	
					Middle	3.6	0.5	330	28.5	28.5	8.3	8.3	17.1	17.0	118.9	118.8	8.4		3.1		4		89				<0.2		0.9	
						3.6	0.5	333	28.5		8.3		17.0		118.7		8.4		3.1		3		89				<0.2		0.9	
					Bottom	6.1	0.6	339	26.5	26.5	8.0	8.0	24.9	24.9	70.8	70.9	5.0	5.0	7.8		3		92				<0.2		0.9	
						6.1	0.6	344	26.5		8.0		24.9		71.0		5.0		8.2		3		92				<0.2		1.0	
IM6	Rainy	Moderate	16:07	6.7	Surface	1.0	0.6	274	29.2	29.2	8.2	8.2	11.2	11.2	103.8	103.9	7.5	7.5	4.7	5.3	4	4	85	89	821073	805845	<0.2	<0.2	1.0	0.9
						1.0	0.6	285	29.2		8.2		11.3		104.0		7.5		4.7		3		86				<0.2		0.9	
					Middle	3.4	0.3	277	28.7	28.7	8.2	8.2	14.8	14.8	103.8	103.9	7.4		4.8		4		89				<0.2		1.0	
						3.4	0.3	291	28.7		8.2		14.8		103.9		7.4		4.9		3		89				<0.2		0.9	
					Bottom	5.7	0.2	269	28.5	28.5	8.2	8.2	16.0	16.0	102.8	102.8	7.3	7.3	6.2		4		91				<0.2		0.9	
						5.7	0.2	284	28.5		8.2		16.0		102.8		7.3		6.2		4		92				<0.2		0.9	
IM7	Cloudy	Moderate	16:03	8.0	Surface	1.0	0.5	238	29.2	29.2	8.2	8.2	12.4	12.4	110.8	110.7	7.9	7.9	4.2	6.0	4	4	85	89	821334	806824	<0.2	<0.2	1.0	1.1
						1.0	0.6	239	29.2		8.2		12.4		110.6		7.9		4.2		4		86				<0.2		1.0	
					Middle	4.0	0.5	237	28.9	29.0	8.2	8.2	13.8	13.8	110.3	110.3	7.9		3.9		4		89				<0.2		1.0	
						4.0	0.5	242	29.0		8.2		13.8		110.3		7.9		3.9		5		89				<0.2		1.1	
					Bottom	7.0	0.3	238	28.1	28.1	8.1	8.1	17.5	17.5	93.8	93.9	6.7	6.7	9.9		5		91				<0.2		1.2	
						7.0	0.3	257	28.1		8.1		17.5		93.9		6.7		9.9		4		91				<0.2		1.1	
IM8	Cloudy	Moderate	16:27	7.1	Surface	1.0	0.1	261	29.6	29.6	8.1	8.1	9.7	9.7	103.6	103.6	7.5	7.4	4.6	5.0	5	5	85	89	821824	808131	<0.2	<0.2	1.1	1.1
						1.0	0.1	279	29.6		8.1		9.7		103.6		7.5		4.5		4		86				<0.2		1.1	
					Middle	3.6	0.1	262	29.3	29.3	8.0	8.0	11.3	11.3	101.9	101.8	7.3		3.5		5		89				<0.2		1.1	
						3.6	0.2	282	29.3		8.0		11.3		101.7		7.3		3.6		5		89				<0.2		1.2	
					Bottom	6.1	0.2	255	28.7	28.7	8.0	8.0	15.7	16.3	91.6	91.9	6.5	6.5	6.9		5		92				<0.2		1.0	
						6.1	0.2	274	28.7		8.0		16.8		92.1		6.5		7.2		6		92				<0.2		1.1	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	16:34	6.4	Surface	1.0	0.1	230	29.5	29.5	8.1	8.1	10.5	10.5	104.6	104.6	7.5	7.3	3.8	4.2	4	5	85	89	822092	808824	<0.2	<0.2	1.0	1.0
						1.0	0.1	242	29.5		8.1		10.5		104.5		7.5		3.8		5		86				<0.2		1.0	
					Middle	3.2	0.1	262	29.0	29.0	8.0	8.0	13.6	13.6	98.5	98.5	7.0		3.9		5		88				<0.2		1.0	
						3.2	0.1	268	28.9		8.0		13.6		98.5		7.1		4.1		5		89				<0.2		1.0	
					Bottom	5.4	0.3	275	28.3	28.4	7.9	7.9	18.3	18.2	87.2	87.5	6.1	6.2	5.0		5		93				<0.2		1.0	
						5.4	0.3	285	28.5		7.9		18.1		87.8		6.2		4.9		5		94				<0.2		1.0	
IM10	Cloudy	Moderate	16:45	6.5	Surface	1.0	0.1	326	29.6	29.6	8.1	8.1	10.7	10.7	108.1	107.9	7.8	7.0	3.8	9.2	4	4	86	90	822391	809776	<0.2	<0.2	1.0	1.0
						1.0	0.1	333	29.6		8.1		10.7		107.7		7.7		3.8		4		87				<0.2		1.0	
					Middle	3.3	0.5	310	28.1	28.1	7.9	7.9	17.1	17.1	87.4	87.4	6.2		12.6		4		88				<0.2		1.1	
						3.3	0.5	314	28.1		7.9		17.1		87.3		6.2		12.7		4		89				<0.2		0.9	
					Bottom	5.5	0.4	293	27.8	27.8	7.9	7.9	19.4	19.4	80.7	80.7	5.7	5.7	11.0		4		94				<0.2		1.0	
						5.5	0.4	295	27.8		7.9		19.4		80.6		5.7		11.2		5		94				<0.2		1.0	
IM11	Cloudy	Moderate	16:57	8.2	Surface	1.0	0.3	318	29.0	29.0	8.1	8.1	14.1	14.1	105.9	105.8	7.5	6.8	2.5	5.9	4	4	86	89	822043	811467	<0.2	<0.2	1.0	1.0
						1.0	0.4	337	29.0		8.1		14.1		105.7		7.5		2.5		4		86				<0.2		0.9	
					Middle	4.1	0.5	300	27.8	27.8	7.9	7.9	20.0	20.0	85.4	85.3	6.0		3.1		4		87				<0.2		1.0	
						4.1	0.6	306	27.8		7.9		20.0		85.1		6.0		3.3		4		87				<0.2		1.0	
					Bottom	7.2	0.2	307	26.7	26.7	7.8	7.8	23.9	23.9	68.0	68.2	4.8	4.8	12.3		4		92				<0.2		1.1	
						7.2	0.2	316	26.7		7.8		23.9		68.4		4.8		11.9		5		93				<0.2		1.0	
IM12	Cloudy	Moderate	17:04	8.6	Surface	1.0	0.4	298	28.8	28.8	8.1	8.1	16.3	16.3	112.9	112.9	8.0	7.0	2.0	6.5	3	4	85	87	821477	812058	<0.2	<0.2	1.0	0.9
						1.0	0.4	313	28.8		8.1		16.3		112.8		8.0		2.0		3		85				<0.2		0.8	
					Middle	4.3	0.5	280	27.5	27.5	8.0	8.0	21.9	21.9	85.1	84.9	6.0		6.0		4		86				<0.2		0.9	
						4.3	0.6	307	27.4		8.0		21.9		84.7		5.9		6.5		4		87				<0.2		0.9	
					Bottom	7.6	0.4	290	26.5	26.5	7.8	7.8	24.8	24.7	69.5	69.7	4.9	4.9	11.6		5		90				<0.2		0.8	
						7.6	0.4	292	26.5		7.8		24.6		69.8		4.9		11.2		4		91				<0.2		0.8	
SR1A	Cloudy	Calm	17:24	4.8	Surface	1.0	-	-	28.7	28.7	8.1	8.1	17.3	17.3	118.9	118.7	8.4	8.4	2.2	3.2	3	4	-	-	819978	812654	-	-	-	-
						1.0	-	-	28.7		8.1		17.3		118.5		8.3		2.5		4		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.7	28.8	8.1	8.1	19.1	19.0	104.9	104.7	7.3	7.3	4.2		4		-				-		-	
						3.8	-	-	28.8		8.1		19.0		104.4		7.3		3.9		4		-				-		-	
SR2	Cloudy	Moderate	17:37	4.4	Surface	1.0	0.2	284	28.5	28.6	8.1	8.1	17.7	17.6	112.7	112.6	7.9	7.9	2.9	4.6	3	5	84	86	821448	814156	<0.2	<0.2	0.8	0.8
						1.0	0.2	288	28.6		8.1		17.6		112.5		7.9		2.9		3		85				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.4	298	27.9	27.9	8.0	8.0	19.9	19.9	99.2	99.2	7.0	7.0	6.2		6		86				<0.2		0.9	
						3.4	0.4	325	27.9		8.0		19.8		99.1		7.0		6.2		6		87				<0.2		0.8	
SR3	Rainy	Moderate	16:22	8.1	Surface	1.0	0.3	200	29.6	29.6	8.1	8.1	10.1	10.0	106.9	106.9	7.7	7.9	4.7	4.4	6	5	-	-	822157	807565	-	-	-	-
						1.0	0.3	216	29.6		8.1		10.0		106.9		7.7		4.7		5		-				-		-	
					Middle	4.1	0.2	226	29.1	29.1	8.2	8.2	14.1	14.1	112.4	112.3	8.0		2.6		4		-				-		-	
						4.1	0.2	230	29.1		8.2		14.1		112.1		8.0		2.7		5		-				-		-	
					Bottom	7.1	0.3	222	28.1	28.2	7.9	7.9	19.4	19.4	81.4	81.7	5.7	5.7	6.0		4		-				-		-	
						7.1	0.3	238	28.2		7.9		19.4		81.9		5.7		5.7		5		-				-		-	
SR4A	Fine	Calm	17:38	9.4	Surface	1.0	0.4	42	28.6	28.6	8.1	8.1	17.2	17.2	110.3	110.3	7.8	7.6	7.1	8.5	8	6	-	-	817206	807787	-	-	-	-
						1.0	0.4	44	28.6		8.1		17.2		110.2		7.8		7.2		7		-				-		-	
					Middle	4.7	0.1	38	28.4	28.4	8.1	8.1	19.6	19.6	105.3	105.3	7.4		8.9		5		-				-		-	
						4.7	0.1	41	28.4		8.1		19.6		105.2		7.3		8.9		6		-				-		-	
					Bottom	8.4	0.2	28	27.4	27.4	8.0	8.0	21.8	21.8	75.0	75.2	5.3	5.3	9.6		5		-				-		-	
						8.4	0.2	29	27.4		8.0		21.8		75.3		5.3		9.5		4		-				-		-	
SR5A	Fine	Calm	17:54	3.2	Surface	1.0	0.1	88	28.5	28.5	8.1	8.1	19.8	19.8	119.9	120.0	8.3	8.3	7.8	8.7	8	8	-	-	816585	810716	-	-	-	-
						1.0	0.1	90	28.5		8.1		19.8		120.0		8.3		7.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.0	22	28.4	28.4	8.1	8.1	20.1	20.1	111.2	111.3	7.7	7.7	9.6		8		-				-		-	
						2.2	0.0	22	28.4		8.1		20.1		111.3		7.7		9.6		9		-				-		-	
SR6A	Fine	Calm	18:22	3.9	Surface	1.0	0.1	304	28.7	28.7	8.2	8.2	19.3	19.3	134.6	134.5	9.4	9.4	5.1	6.6	7	7	-	-	817978	814751	-	-	-	-
						1.0	0.1	311	28.7		8.2		19.4		134.3		9.3		5.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	320	28.7	28.7	8.2	8.2	19.8	19.8	132.7	132.8	9.2	9.2	7.6		6		-				-		-	
						2.9	0.1	350	28.7		8.2		19.8		132.9		9.2		7.7		6		-				-		-	
SR7	Cloudy	Moderate	18:34	16.2	Surface	1.0	0.1	54	26.7	26.7	8.0	8.0	25.7	25.7	97.4	97.3	6.8	6.2	2.4	3.2	3	3	-	-	823619	823720	-	-	-	-
						1.0	0.1	56	26.7		8.0		25.7		97.2		6.7		2.3		4		-				-		-	
					Middle	8.1	0.0	171	26.2	26.2	8.0	8.0	26.9	26.9	82.1	82.0	5.7		3.3		3		-				-		-	
						8.1	0.0	182	26.2		8.0		26.9		81.9		5.7		3.3		3		-				-		-	
					Bottom	15.2	0.1	87	25.4	25.5	7.9	7.9	29.8	29.8	65.4	65.9	4.5	4.6	3.9		3		-				-		-	
						15.2	0.1	88	25.5		7.9		29.7		66.3		4.6		4.0		3		-				-		-	
SR8	Cloudy	Moderate	17:15	4.7	Surface	1.0	-	-	28.8	28.8	8.2	8.2	15.8	15.8	117.3	116.9	8.3	8.3	2.0	2.6	2	2	-	-	820373	811622	-	-	-	-
						1.0	-	-	28.8		8.2		15.8		116.5		8.2		2.0		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	28.1	28.1	8.0	8.0	19.2	19.2	96.4	96.4	6.8	6.8	3.2		3		-				-		-	
						3.7	-	-	28.1		8.0		19.3		96.3		6.8		3.3		2		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	12:07	8.4	Surface	1.0	0.3	225	28.3	28.3	8.1	8.1	17.4	17.4	93.7	93.6	6.6	6.3	3.5	5.8	5	6	85	87	815634	804261	<0.2	<0.2	0.8	0.8
						1.0	0.4	235	28.3		8.1		17.4		93.5		6.6		3.5		5		86				<0.2		0.7	
					Middle	4.2	0.7	201	27.8	27.8	8.0	8.0	19.6	19.6	83.5	83.5	5.9		4.2		6		87				<0.2		0.7	
						4.2	0.7	202	27.8		8.0		19.6		83.4		5.9		4.2		6		88				<0.2		0.7	
					Bottom	7.4	0.5	241	25.5	25.5	8.0	8.0	28.1	28.1	61.0	61.5	4.3	4.3	9.8		8		89				<0.2		0.8	
						7.4	0.5	253	25.5		8.0		28.2		61.9		4.3		9.3		8		89				<0.2		0.8	
C2	Cloudy	Moderate	13:42	11.1	Surface	1.0	0.2	135	29.5	29.5	7.9	7.9	13.2	13.2	81.2	81.2	5.8	5.5	3.8	7.7	4	4	84	86	825680	806944	<0.2	<0.2	1.0	1.0
						1.0	0.2	145	29.5		7.9		13.2		81.2		5.8		3.8		3		84				<0.2		1.1	
					Middle	5.6	0.5	154	27.7	27.7	8.0	8.0	19.2	19.1	73.6	73.6	5.2		7.5		4		86				<0.2		1.0	
						5.6	0.5	166	27.6		8.0		19.1		73.6		5.2		7.5		5		87				<0.2		1.0	
					Bottom	10.1	0.5	144	26.6	26.6	8.0	8.0	24.4	24.4	64.2	64.3	4.5	4.5	11.9		5		88				<0.2		1.0	
						10.1	0.5	149	26.6		8.0		24.4		64.4		4.5		12.0		4		88				<0.2		1.1	
C3	Cloudy	Moderate	11:28	12.0	Surface	1.0	0.3	277	27.2	27.2	8.0	8.0	22.5	22.5	83.6	83.6	5.9	5.7	2.8	4.9	3	4	86	88	822097	817784	<0.2	<0.2	0.7	0.7
						1.0	0.4	285	27.2		8.0		22.5		83.5		5.9		2.8		2		86				<0.2		0.6	
					Middle	6.0	0.2	252	26.5	26.4	8.0	8.0	24.4	24.4	77.2	77.2	5.4		4.5		3		88				<0.2		0.6	
						6.0	0.2	276	26.3		8.0		24.5		77.1		5.4		4.6		4		88				<0.2		0.6	
					Bottom	11.0	0.1	113	25.4	25.4	8.0	8.0	28.5	28.5	67.7	67.8	4.7	4.7	7.4		5		90				<0.2		0.7	
						11.0	0.1	114	25.4		8.0		28.5		67.8		4.7		7.4		5		90				<0.2		0.7	
IM1	Sunny	Moderate	12:28	4.9	Surface	1.0	0.1	1	28.4	28.4	8.1	8.1	18.1	18.1	95.5	95.4	6.7	6.7	3.5	7.6	3	5	86	87	817959	807112	<0.2	<0.2	0.6	0.7
						1.0	0.1	1	28.4		8.1		18.1		95.3		6.7		3.5		4		85				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	1	26.2	26.2	8.0	8.0	25.5	25.5	62.6	62.6	4.4	4.4	11.6		6		89				<0.2		0.7	
						3.9	0.1	1	26.2		8.0		25.5		62.5		4.4		11.8		5		89				<0.2		0.6	
IM2	Sunny	Moderate	12:34	6.7	Surface	1.0	0.1	204	28.6	28.6	8.1	8.1	17.4	17.4	91.4	90.9	6.4	5.4	7.3	12.6	3	3	84	87	818154	806143	<0.2	<0.2	0.7	0.6
						1.0	0.1	205	28.6		8.1		17.4		90.4		6.4		7.9		3		85				<0.2		0.6	
					Middle	3.4	0.2	169	26.1	26.1	8.0	8.0	25.9	25.9	61.9	62.0	4.3		12.2		3		88				<0.2		0.7	
						3.4	0.2	172	26.1		8.0		25.9		62.0		4.3		11.8		4		87				<0.2		0.6	
					Bottom	5.7	0.0	293	25.7	25.7	8.0	8.0	27.6	27.6	60.7	60.9	4.2	4.3	18.3		3		89				<0.2		0.6	
						5.7	0.0	298	25.7		8.0		27.6		61.0		4.3		18.1		4		90				<0.2		0.6	
IM3	Sunny	Moderate	12:40	6.7	Surface	1.0	0.2	269	28.5	28.5	8.1	8.1	18.0	18.0	87.2	86.5	6.1	5.3	7.4	10.1	4	4	87	88	818771	805586	<0.2	<0.2	0.8	0.7
						1.0	0.2	287	28.5		8.1		18.0		85.8		6.0		7.8		3		86				<0.2		0.6	
					Middle	3.4	0.2	214	26.5	26.5	8.0	8.0	24.4	24.5	65.5	65.4	4.6		10.6		3		88				<0.2		0.7	
						3.4	0.2	223	26.4		8.0		24.5		65.3		4.6		10.9		4		87				<0.2		0.7	
					Bottom	5.7	0.1	187	26.4	26.4	8.0	8.0	24.9	24.9	66.8	66.9	4.7	4.7	11.5		4		89				<0.2		0.6	
						5.7	0.1	199	26.4		8.0		24.9		67.0		4.7		12.2		5		89				<0.2		0.7	
IM4	Sunny	Moderate	12:49	8.0	Surface	1.0	1.2	181	28.9	28.9	8.1	8.1	16.7	16.7	98.6	98.6	6.9	6.4	3.5	9.7	2	2	85	87	819705	804599	<0.2	<0.2	0.7	0.7
						1.0	1.4	186	28.9		8.1		16.7		98.5		6.9		3.7		3		85				<0.2		0.7	
					Middle	4.0	1.1	188	27.7	27.7	8.0	8.0	20.3	20.3	82.5	82.2	5.8		9.5		2		87				<0.2		0.8	
						4.0	1.1	194	27.7		8.0		20.4		81.8		5.8		9.7		2		86				<0.2		0.7	
					Bottom	7.0	0.7	192	27.6	27.6	8.1	8.1	20.8	20.8	81.5	81.6	5.7	5.7	16.1		2		89				<0.2		0.6	
						7.0	0.8	196	27.6		8.1		20.8		81.7		5.7		15.3		2		89				<0.2		0.7	
IM5	Sunny	Moderate	13:01	6.9	Surface	1.0	1.0	191	28.8	28.8	8.1	8.1	16.4	16.4	103.0	103.0	7.3	6.9	3.8	6.0	3	3	86	87	820755	804871	<0.2	<0.2	0.7	0.7
						1.0	1.1	207	28.7		8.1		16.4		102.9		7.3		3.8		4		85				<0.2		0.7	
					Middle	3.5	1.0	198	28.2	28.2	8.1	8.1	18.0	18.1	92.6	92.5	6.5		4.7		3		87				<0.2		0.7	
						3.5	1.0	201	28.2		8.1		18.1		92.3		6.5		4.7		2		87				<0.2		0.7	
					Bottom	5.9	0.6	207	27.9	27.9	8.1	8.1	19.9	19.9	84.7	84.8	6.0	6.0	9.6		2		89				<0.2		0.7	
						5.9	0.6	226	27.9		8.1		19.9		84.8		6.0		9.7		2		90				<0.2		0.7	
IM6	Sunny	Moderate	13:10	7.0	Surface	1.0	0.6	214	29.0	29.0	8.1	8.1	16.2	16.2	98.4	98.4	6.9	6.8	3.5	6.2	3	3	85	87	821066	805822	<0.2	<0.2	0.6	0.7
						1.0	0.6	234	29.0		8.1		16.3		98.3		6.9		3.5		3		85				<0.2		0.6	
					Middle	3.5	0.7	224	28.4	28.4	8.1	8.1	17.5	17.4	95.2	95.3	6.7		3.6		4		87				<0.2		0.7	
						3.5	0.7	242	28.3		8.1		17.4		95.4		6.8		3.6		3		88				<0.2		0.7	
					Bottom	6.0	0.7	233	27.6	27.6	8.0	8.0	20.0	20.0	83.2	83.3	5.9	5.9	11.4		3		89				<0.2		0.6	
						6.0	0.7	254	27.6		8.0		20.0		83.3		5.9		11.5		4		89				<0.2		0.7	
IM7	Sunny	Moderate	13:18	8.0	Surface	1.0	0.6	226	28.1	28.1	8.0	8.0	17.1	17.1	91.5	91.2	6.5	6.1	6.3	9.2	3	3	86	87	821370	806848	<0.2	<0.2	0.7	0.7
						1.0	0.7	236	28.0		8.0		17.1		90.9		6.5		6.6		2		85				<0.2		0.7	
					Middle	4.0	0.6	223	27.6	27.6	8.0	8.0	19.8	19.8	79.1	79.1	5.6		9.0		3		87				<0.2		0.8	
						4.0	0.6	225	27.5		8.0		19.8		79.0		5.6		9.6		4		88				<0.2		0.8	
					Bottom	7.0	0.5	225	26.8	26.8	8.0	8.0	22.4	22.3	72.3	72.3	5.1	5.1	12.0		4		89				<0.2		0.7	
						7.0	0.6	233	26.8		8.0		22.3		72.3		5.1		11.8		3		89				<0.2		0.7	
IM8	Cloudy	Moderate	13:11	7.5	Surface	1.0	0.3	202	28.2	28.2	8.0	8.0	18.2	18.2	83.4	83.4	5.9	5.6	4.0	6.2	4	5	85	87	821841	808158	<0.2	<0.2	0.8	0.7
						1.0	0.4	210	28.1		8.0		18.2		83.3		5.9		4.4		4		85				<0.2		0.7	
					Middle	3.8	0.2	210	27.6	27.6	8.0	8.0	20.0	20.0	74.9	74.9	5.3		6.6		4		87				<0.2		0.7	
						3.8	0.3	220	27.6		8.0		20.0		74.9		5.3		6.5		5		87				<0.2		0.7	
					Bottom	6.5	0.3	222	27.5	27.5	8.0	8.0	20.3	20.3	74.4	74.5	5.3	5.3	7.8		6		89				<0.2		0.6	
						6.5	0.3	243	27.5		8.0		20.3		74.6		5.3		7.8		5		89				<0.2		0.7	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	13:04	6.8	Surface	1.0	0.3	149	28.4	28.4	8.0	8.0	18.0	18.0	85.1	85.1	6.0	5.8	5.2	8.4	4	4	85	87	822077	808832	<0.2	<0.2	0.7	0.8
						1.0	0.3	153	28.4		8.0		18.0		85.1		6.0		5.2		3		84				<0.2		0.7	
					Middle	3.4	0.2	133	27.8	27.8	8.0	8.0	19.3	19.3	78.3	78.3	5.5		8.7		4		86				<0.2		0.8	
						3.4	0.2	145	27.8		8.0		19.3		78.2		5.5		9.0		4		87				<0.2		0.8	
					Bottom	5.8	0.1	116	27.8	27.8	8.0	8.0	19.5	19.5	78.2	78.2	5.5	5.5	11.2		5		89				<0.2		0.7	
						5.8	0.1	122	27.8		8.0		19.5		78.2		5.5		11.2		4		88				<0.2		0.8	
IM10	Cloudy	Moderate	12:55	7.2	Surface	1.0	0.8	127	28.6	28.6	8.0	8.0	17.2	17.2	87.3	87.3	6.2	5.8	2.7	6.7	3	4	85	88	822366	809794	<0.2	<0.2	0.7	0.8
						1.0	0.9	133	28.6		8.0		17.2		87.2		6.1		2.8		3		89				<0.2		0.8	
					Middle	3.6	0.7	113	27.7	27.7	8.0	8.0	19.7	19.7	75.8	75.7	5.4		6.8		4		87				<0.2		0.8	
						3.6	0.8	121	27.7		8.0		19.7		75.6		5.3		7.0		4		88				<0.2		0.8	
					Bottom	6.2	0.6	111	27.5	27.5	8.0	8.0	20.3	20.3	74.4	74.5	5.2	5.3	10.5		4		89				<0.2		0.7	
						6.2	0.6	118	27.5		8.0		20.3		74.5		5.3		10.7		5		89				<0.2		0.8	
IM11	Cloudy	Moderate	12:39	8.5	Surface	1.0	0.8	113	28.4	28.4	8.0	8.0	17.2	17.2	88.5	88.7	6.3	6.0	4.4	6.9	4	4	85	87	822033	811444	<0.2	<0.2	0.8	0.8
						1.0	0.9	118	28.4		8.0		17.2		88.8		6.3		4.5		5		85				<0.2		0.8	
					Middle	4.3	0.7	111	27.8	27.8	8.0	8.0	19.0	19.0	79.2	79.3	5.6		6.4		4		87				<0.2		0.8	
						4.3	0.7	116	27.8		8.0		19.0		79.4		5.6		6.4		3		87				<0.2		0.8	
					Bottom	7.5	0.6	101	27.6	27.6	8.0	8.0	19.9	19.9	74.5	74.5	5.3	5.3	10.0		4		88				<0.2		0.8	
						7.5	0.6	102	27.6		8.0		19.9		74.5		5.3		9.9		4		89				<0.2		0.8	
IM12	Cloudy	Moderate	12:28	9.1	Surface	1.0	0.7	109	28.4	28.4	8.0	8.0	17.5	17.5	87.3	87.2	6.2	5.9	3.7	9.6	4	4	85	87	821455	812038	<0.2	<0.2	0.8	0.7
						1.0	0.7	115	28.4		8.0		17.5		87.0		6.1		3.8		4		85				<0.2		0.7	
					Middle	4.6	0.4	108	27.9	27.9	8.0	8.0	19.2	19.1	80.6	80.7	5.7		5.0		4		87				<0.2		0.7	
						4.6	0.4	117	27.9		8.0		19.1		80.8		5.7		4.8		3		88				<0.2		0.6	
					Bottom	8.1	0.5	89	27.7	27.7	8.0	8.0	19.7	19.7	78.2	78.3	5.5	5.5	20.2		4		89				<0.2		0.7	
						8.1	0.5	90	27.7		8.0		19.7		78.3		5.5		20.3		3		89				<0.2		0.8	
SR1A	Cloudy	Moderate	12:08	4.9	Surface	1.0	-	-	28.4	28.4	8.0	8.0	18.1	18.1	90.8	90.9	6.4	6.4	2.9	2.9	4	3	-	-	819975	812655	-	-	-	-
						1.0	-	-	28.4		8.0		18.1		90.9		6.4		2.8		3		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	28.2	28.2	8.1	8.1	19.3	19.4	90.3	90.2	6.3	6.3	2.8		2		-				-		-	
						3.9	-	-	28.2		8.1		19.4		90.0		6.3		2.9		2		-				-		-	
SR2	Cloudy	Moderate	11:54	4.7	Surface	1.0	0.5	79	27.9	27.9	8.0	8.0	19.2	19.2	84.7	84.7	6.0	6.0	2.7	3.8	2	2	87	88	821471	814169	<0.2	<0.2	0.8	0.8
						1.0	0.5	84	27.9		8.0		19.2		84.7		6.0		2.7		2		88				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	63	27.6	27.6	8.0	8.0	20.5	20.5	80.1	80.2	5.6	5.6	5.0		3		89				<0.2		0.8	
						3.7	0.3	68	27.6		8.0		20.5		80.2		5.6		5.0		2		88				<0.2		0.6	
SR3	Cloudy	Moderate	13:17	8.8	Surface	1.0	0.6	192	28.5	28.5	8.0	8.0	17.5	17.5	87.3	87.2	6.2	5.6	2.9	5.7	2	3	-	-	822124	807580	-	-	-	-
						1.0	0.7	204	28.5		8.0		17.5		87.1		6.1		2.9		2		-				-		-	
					Middle	4.4	0.4	187	27.4	27.4	8.0	8.0	21.2	21.2	70.7	70.6	5.0		5.4		3		-				-		-	
						4.4	0.4	187	27.3		8.0		21.2		70.4		5.0		5.6		3		-				-		-	
					Bottom	7.8	0.3	221	27.1	27.1	8.0	8.0	22.0	22.0	67.7	67.8	4.8	4.8	8.7		3		-				-		-	
						7.8	0.3	223	27.1		8.0		22.0		67.9		4.8		8.7		3		-				-		-	
SR4A	Sunny	Moderate	11:47	9.1	Surface	1.0	0.3	286	27.7	27.7	8.0	8.0	20.0	20.0	79.9	79.9	5.6	5.0	5.2	11.8	4	4	-	-	817194	807826	-	-	-	-
						1.0	0.3	306	27.7		8.0		20.0		79.8		5.6		5.2		4		-				-		-	
					Middle	4.6	0.0	293	25.9	25.9	7.9	7.9	26.5	26.5	61.5	61.5	4.3		11.8		4		-				-		-	
						4.6	0.0	311	25.9		7.9		26.5		61.4		4.3		11.8		3		-				-		-	
					Bottom	8.1	0.1	88	25.8	25.8	8.0	8.0	27.1	27.1	61.0	61.1	4.3	4.3	18.3		6		-				-		-	
						8.1	0.1	88	25.8		8.0		27.1		61.1		4.3		18.2		6		-				-		-	
SR5A	Sunny	Moderate	11:30	4.4	Surface	1.0	0.0	48	28.4	28.4	8.1	8.1	18.5	18.5	95.0	94.9	6.7	6.7	5.4	11.1	4	5	-	-	816586	810717	-	-	-	-
						1.0	0.0	52	28.3		8.1		18.6		94.7		6.7		5.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	114	28.0	28.0	8.0	8.0	19.1	19.1	84.5	84.5	6.0	6.0	16.0		5		-				-		-	
						3.4	0.0	118	27.9		8.0		19.1		84.4		6.0		17.4		4		-				-		-	
SR6A	Sunny	Moderate	11:02	4.7	Surface	1.0	0.2	21	27.7	27.7	7.9	7.9	19.9	19.9	78.7	78.5	5.6	5.6	8.4	9.0	3	3	-	-	817950	814716	-	-	-	-
						1.0	0.2	21	27.6		7.9		19.9		78.3		5.5		8.5		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	190	27.3	27.3	7.9	7.9	22.0	22.0	76.5	76.5	5.4	5.4	9.6		4		-				-		-	
						3.7	0.1	191	27.2		7.9		22.0		76.4		5.4		9.6		3		-				-		-	
SR7	Cloudy	Moderate	10:46	15.6	Surface	1.0	0.5	57	27.5	27.5	8.1	8.1	21.6	21.7	91.8	91.8	6.4	6.2	1.4	1.9	4	4	-	-	823650	823747	-	-	-	-
						1.0	0.6	61	27.4		8.1		21.7		91.8		6.4		1.4		3		-				-		-	
					Middle	7.8	0.3	17	26.8	26.8	8.1	8.1	23.8	23.8	85.3	85.3	6.0		1.8		4		-				-		-	
						7.8	0.3	18	26.8		8.1		23.8		85.2		6.0		1.8		4		-				-		-	
					Bottom	14.6	0.2	62	25.9	26.0	8.1	8.1	28.0	27.9	72.3	72.4	5.0	5.0	2.6		5		-				-		-	
						14.6	0.2	64	26.0		8.1		27.9		72.5		5.0		2.5		4		-				-		-	
SR8	Cloudy	Moderate	12:20	4.6	Surface	1.0	-	-	28.5	28.5	8.0	8.0	18.2	18.2	88.7	88.7	6.2	6.2	3.3	3.8	4	4	-	-	820378	811611	-	-	-	-
						1.0	-	-	28.5		8.0		18.2		88.7		6.2		3.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	28.3	28.3	8.0	8.0	18.6	18.6	85.5	85.6	6.0	6.0	4.3		4		-				-		-	
						3.6	-	-	28.3		8.0		18.6		85.6		6.0		4.4		4		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	18:56	7.8	Surface	1.0	0.4	36	28.2	28.2	8.1	8.1	18.5	18.6	85.1	85.1	6.0	6.0	15.8	17.4	18	17	85	87	815611	804243	<0.2	<0.2	0.8	0.7
						1.0	0.4	36	28.1		8.1		18.6		85.0		6.0		15.9		18		84				<0.2		0.8	
					Middle	3.9	0.5	26	27.9	27.9	8.1	8.1	18.9	18.9	84.6	84.7	6.0		18.0		17		87				<0.2		0.7	
						3.9	0.5	28	27.8		8.1		18.9		84.7		6.0		17.4		16		86				<0.2		0.8	
					Bottom	6.8	0.3	27	27.8	27.9	8.1	8.1	20.5	20.5	80.4	80.5	5.6	5.6	19.0		17		89				<0.2		0.6	
						6.8	0.3	27	27.9		8.1		20.4		80.6		5.6		18.5		16		89				<0.2		0.7	
C2	Cloudy	Moderate	17:57	10.0	Surface	1.0	0.7	192	29.0	29.0	7.9	7.9	11.0	11.0	77.8	77.9	5.6	5.3	6.9	9.5	8	7	84	87	825693	806928	<0.2	<0.2	1.2	1.2
						1.0	0.7	199	29.0		7.9		11.0		77.9		5.6		6.9		8		84				<0.2		1.2	
					Middle	5.0	0.2	190	27.9	27.9	7.9	7.9	15.9	15.9	68.2	68.1	4.9		8.4		7		87				<0.2		1.3	
						5.0	0.3	192	27.9		7.9		15.9		68.0		4.9		8.5		6		87				<0.2		1.2	
					Bottom	9.0	0.1	358	27.3	27.3	7.9	7.9	20.5	20.5	64.6	64.7	4.6	4.6	13.3		6		89				<0.2		1.2	
						9.0	0.1	329	27.3		7.9		20.5		64.7		4.6		13.0		6		88				<0.2		1.3	
C3	Cloudy	Moderate	19:52	9.9	Surface	1.0	0.5	235	28.1	28.1	8.1	8.1	19.0	19.0	85.6	85.5	6.0	5.6	2.1	4.0	5	4	87	89	822122	817817	<0.2	<0.2	1.0	1.0
						1.0	0.5	239	28.1		8.1		19.0		85.3		6.0		2.1		4		87				<0.2		1.0	
					Middle	5.0	0.5	254	26.8	26.8	8.0	8.0	23.8	23.8	72.6	72.5	5.1		3.2		3		88				<0.2		1.0	
						5.0	0.6	263	26.8		8.0		23.8		72.4		5.1		3.3		4		88				<0.2		1.0	
					Bottom	8.9	0.3	267	26.0	26.0	8.0	8.0	26.8	26.8	64.2	64.3	4.5	4.5	6.7		4		90				<0.2		1.0	
						8.9	0.3	280	26.0		8.0		26.8		64.4		4.5		6.6		3		91				<0.2		0.9	
IM1	Cloudy	Moderate	18:34	3.8	Surface	1.0	0.5	327	28.4	28.4	8.1	8.1	19.7	19.7	96.7	96.6	6.7	6.7	14.0	15.4	16	17	88	88	817930	807142	<0.2	<0.2	0.9	0.9
						1.0	0.5	335	28.4		8.1		19.7		96.4		6.7		15.5		15		86				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.3	326	28.3	28.4	8.2	8.2	19.8	19.7	95.3	95.4	6.7	6.7	15.6		18		89				<0.2		0.9	
						2.8	0.3	350	28.4		8.2		19.7		95.4		6.7		16.7		17		89				<0.2		0.9	
IM2	Cloudy	Moderate	18:30	6.4	Surface	1.0	0.3	3	27.8	27.8	8.1	8.1	21.0	21.0	88.6	88.5	6.2	6.2	10.2	10.2	9	7	84	87	818161	806184	<0.2	<0.2	1.1	1.2
						1.0	0.4	3	27.8		8.1		21.0		88.4		6.2		10.4		8		85				<0.2		1.2	
					Middle	3.2	0.3	13	27.7	27.7	8.1	8.1	21.0	21.1	88.4	89.0	6.2		10.0		6		87				<0.2		1.2	
						3.2	0.4	13	27.7		8.1		21.1		89.5		6.3		9.8		6		88				<0.2		1.2	
					Bottom	5.4	0.3	4	27.5	27.5	8.0	8.0	21.9	21.9	83.9	84.0	5.9	5.9	10.1		7		89				<0.2		1.1	
						5.4	0.3	4	27.5		8.0		21.8		84.0		5.9		10.8		6		89				<0.2		1.2	
IM3	Cloudy	Moderate	18:25	6.6	Surface	1.0	0.6	316	28.1	28.1	8.1	8.1	20.0	20.0	100.9	100.5	7.1	6.5	6.0	7.4	4	4	85	88	818799	805605	<0.2	<0.2	1.2	1.2
						1.0	0.6	319	28.0		8.1		20.0		100.0		7.0		6.4		4		86				<0.2		1.2	
					Middle	3.3	0.6	319	27.7	27.7	8.1	8.1	21.4	21.4	83.9	83.7	5.9		7.7		4		88				<0.2		1.2	
						3.3	0.6	341	27.7		8.1		21.4		83.4		5.8		7.8		3		87				<0.2		1.2	
					Bottom	5.6	0.4	303	26.2	26.2	8.0	8.0	25.6	25.7	66.0	65.7	4.6	4.6	7.8		4		90				<0.2		1.2	
						5.6	0.4	310	26.2		8.0		25.7		65.4		4.6		8.4		4		89				<0.2		1.1	
IM4	Cloudy	Moderate	18:18	6.6	Surface	1.0	0.8	351	28.1	28.1	8.1	8.1	19.3	19.4	91.8	91.7	6.5	6.3	8.0	9.4	6	6	84	87	819714	804614	<0.2	<0.2	1.2	1.2
						1.0	0.8	352	28.0		8.1		19.4		91.6		6.4		8.4		6		86				<0.2		1.2	
					Middle	3.3	0.6	346	27.3	27.3	8.0	8.0	21.2	21.2	86.0	86.0	6.1		9.4		6		88				<0.2		1.1	
						3.3	0.6	356	27.2		8.0		21.2		85.9		6.1		9.3		6		87				<0.2		1.2	
					Bottom	5.6	0.4	335	26.7	26.7	8.0	8.0	23.3	23.8	71.0	71.1	5.0	5.0	10.7		6		89				<0.2		1.1	
						5.6	0.4	354	26.7		8.0		24.3		71.1		5.0		10.5		6		89				<0.2		1.2	
IM5	Cloudy	Moderate	18:10	6.5	Surface	1.0	0.3	301	28.9	28.9	8.1	8.1	15.1	15.1	92.0	92.1	6.5	6.5	7.6	11.6	7	8	84	87	820716	804846	<0.2	<0.2	1.2	1.2
						1.0	0.4	314	28.9		8.1		15.1		92.1		6.5		7.8		8		85				<0.2		1.2	
					Middle	3.3	0.4	329	28.5	28.5	8.1	8.1	17.1	17.1	91.0	90.9	6.4		10.4		7		86				<0.2		1.2	
						3.3	0.4	345	28.5		8.1		17.1		90.8		6.4		10.3		8		87				<0.2		1.2	
					Bottom	5.5	0.4	358	26.9	27.0	8.1	8.1	23.6	23.5	72.9	73.0	5.1	5.1	16.6		9		89				<0.2		1.2	
						5.5	0.4	329	27.0		8.1		23.5		73.0		5.1		16.8		8		89				<0.2		1.2	
IM6	Cloudy	Moderate	18:05	6.6	Surface	1.0	0.6	290	29.0	29.0	8.0	8.0	13.8	13.8	88.8	88.8	6.3	6.3	7.7	9.1	8	8	85	87	821077	805825	<0.2	<0.2	1.5	1.4
						1.0	0.7	303	29.0		8.0		13.8		88.8		6.3		7.7		8		85				<0.2		1.5	
					Middle	3.3	0.6	292	29.0	29.0	8.0	8.0	14.1	14.1	88.1	88.1	6.3		9.6		8		87				<0.2		1.4	
						3.3	0.6	292	29.0		8.0		14.1		88.1		6.3		9.7		8		87				<0.2		1.4	
					Bottom	5.6	0.4	297	28.9	28.9	8.0	8.0	14.0	14.0	88.4	88.4	6.3	6.3	10.0		8		89				<0.2		1.4	
						5.6	0.4	322	28.9		8.0		14.0		88.4		6.3		10.0		8		89				<0.2		1.4	
IM7	Cloudy	Moderate	17:57	7.2	Surface	1.0	0.6	230	28.8	28.8	8.0	8.0	11.4	11.4	86.4	86.3	6.3	6.0	8.5	10.4	6	6	85	87	821343	806851	<0.2	<0.2	1.4	1.5
						1.0	0.6	233	28.8		8.0		11.4		86.2		6.3		8.8		7		84				<0.2		1.5	
					Middle	3.6	0.5	236	28.5	28.5	8.0	8.0	14.9	14.9	79.7	79.8	5.7		10.2		6		87				<0.2		1.4	
						3.6	0.6	250	28.5		8.0		14.9		79.8		5.7		10.2		6		88				<0.2		1.5	
					Bottom	6.2	0.5	240	28.5	28.5	8.0	8.0	15.1	15.1	81.5	81.6	5.8	5.8	12.4		6		89				<0.2		1.5	
						6.2	0.6	259	28.5		8.0		15.1		81.7		5.8		12.2		6		89				<0.2		1.4	
IM8	Cloudy	Moderate	18:19	6.7	Surface	1.0	0.2	227	29.4	29.4	8.0	8.0	12.0	12.1	90.0	90.0	6.4	6.3	5.4	8.2	6	6	86	88	821840	808119	<0.2	<0.2	1.4	1.3
						1.0	0.2	228	29.4		8.0		12.1		89.9		6.4		5.4		7		85				<0.2		1.3	
					Middle	3.4	0.1	248	29.2	29.2	8.0	8.0	13.0	13.0	86.6	86.6	6.2		7.4		6		88				<0.2		1.2	
						3.4	0.1	252	29.2		8.0		13.0		86.5		6.2		7.4		5		87				<0.2		1.4	
					Bottom	5.7	0.1	282	28.9	28.9	8.0	8.0	14.4	14.4	82.4	82.5	5.9	5.9	11.9		5		89				<0.2		1.3	
						5.7	0.1	299	28.9		8.0		14.4		82.5		5.9		12.1		6		90				<0.2		1.3	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	18:26	6.1	Surface	1.0	0.2	246	29.4	29.4	8.0	8.0	11.7	11.7	90.4	90.4	6.5	6.5	5.6	5.6	6	6	86	87	822110	808802	<0.2	<0.2	1.3	1.3
						1.0	0.2	250	29.4		8.0		11.8		90.3		6.5				6		85				<0.2		1.2	
					Middle	3.1	0.1	283	29.3	29.3	8.0	8.0	12.4	12.4	89.5	89.5	6.4				5		87				<0.2		1.3	
						3.1	0.1	288	29.3		8.0		12.4		89.5		6.4				6		88				<0.2		1.3	
					Bottom	5.1	0.1	310	29.3	29.3	8.0	8.0	13.1	13.1	89.3	89.3	6.4	6.4			5		89				<0.2		1.2	
						5.1	0.1	326	29.3		8.0		13.1		89.3		6.4				5		89				<0.2		1.2	
IM10	Cloudy	Moderate	18:35	6.0	Surface	1.0	0.2	329	29.4	29.4	8.0	8.0	11.9	11.9	90.4	90.5	6.5	6.5	4.8	4.8	5	5	85	87	822403	809809	<0.2	<0.2	1.3	1.2
						1.0	0.2	342	29.4		8.0		11.9		90.5		6.5				5		85				<0.2		1.1	
					Middle	3.0	0.3	330	29.3	29.3	8.0	8.0	12.6	12.6	89.5	89.5	6.4				5		87				<0.2		1.3	
						3.0	0.3	336	29.3		8.0		12.6		89.5		6.4				4		88				<0.2		1.2	
					Bottom	5.0	0.3	310	29.2	29.2	8.0	8.0	13.3	13.3	88.4	88.4	6.3	6.3			4		89				<0.2		1.2	
						5.0	0.3	327	29.2		8.0		13.3		88.4		6.3				5		89				<0.2		1.2	
IM11	Cloudy	Moderate	18:47	6.3	Surface	1.0	0.5	307	29.1	29.1	8.0	8.0	14.4	14.4	90.0	90.0	6.4	6.3	6.1	6.1	5	5	85	87	822060	811455	<0.2	<0.2	1.2	1.1
						1.0	0.5	307	29.1		8.0		14.4		90.0		6.4				5		85				<0.2		1.2	
					Middle	3.2	0.5	311	28.6	28.6	8.0	8.0	17.1	17.1	85.8	85.8	6.1				4		88				<0.2		1.1	
						3.2	0.5	325	28.6		8.0		17.1		85.8		6.1				5		88				<0.2		1.1	
					Bottom	5.3	0.5	301	28.1	28.1	8.0	8.0	19.0	19.0	80.2	80.3	5.6	5.7			6		89				<0.2		1.1	
						5.3	0.5	327	28.1		8.0		19.0		80.3		5.7				6		89				<0.2		1.1	
IM12	Cloudy	Moderate	18:55	8.4	Surface	1.0	0.4	289	28.9	28.9	8.1	8.1	15.5	15.5	90.4	90.5	6.4	6.4	6.7	6.7	5	5	86	88	821446	812065	<0.2	<0.2	1.1	1.1
						1.0	0.5	301	28.9		8.1		15.5		90.5		6.4				4		86				<0.2		1.2	
					Middle	4.2	0.6	278	28.2	28.2	8.1	8.1	19.6	19.6	91.0	91.0	6.4				5		88				<0.2		1.1	
						4.2	0.6	282	28.2		8.1		19.6		90.9		6.4				6		89				<0.2		1.1	
					Bottom	7.4	0.4	279	27.6	27.6	8.1	8.1	21.6	21.6	81.4	81.5	5.7	5.7			6		89				<0.2		1.1	
						7.4	0.5	292	27.6		8.1		21.6		81.5		5.7				5		90				<0.2		1.1	
SR1A	Cloudy	Moderate	19:15	4.5	Surface	1.0	-	-	29.1	29.1	8.1	8.1	14.8	14.7	93.3	93.4	6.6	6.6	3.3	3.3	5	5	-	-	819972	812656	-	-	-	-
						1.0	-	-	29.1		8.1		14.7		93.4		6.6				5		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						2.3	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	3.5	-	-	28.9	28.9	8.2	8.2	17.9	17.9	98.8	98.8	6.9	6.9			4		-				-		-	
						3.5	-	-	28.8		8.2		17.9		98.8		6.9				4		-				-		-	
SR2	Cloudy	Moderate	19:28	3.9	Surface	1.0	0.1	257	28.9	28.9	8.1	8.1	15.9	16.0	92.0	92.0	6.5	6.5	4.6	4.6	4	4	86	87	821483	814174	<0.2	<0.2	1.2	1.1
						1.0	0.2	257	28.9		8.1		16.0		91.9		6.5				4		86				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						-	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	2.9	0.3	300	28.6	28.6	8.1	8.1	17.2	17.1	90.2	90.2	6.4	6.4			4		88				<0.2		1.1	
						2.9	0.3	318	28.6		8.1		17.1		90.2		6.4				4		89				<0.2		1.1	
SR3	Cloudy	Moderate	18:13	7.9	Surface	1.0	0.5	195	29.3	29.3	7.9	7.9	11.1	11.1	84.1	84.1	6.1	5.8	9.0	9.0	6	6	-	-	822153	807561	-	-	-	-
						1.0	0.6	202	29.3		7.9		11.1		84.0		6.1				7		-				-		-	
					Middle	4.0	0.4	205	28.4	28.5	7.9	7.9	15.1	15.1	75.0	75.1	5.4				6		-				-		-	
						4.0	0.4	213	28.5		7.9		15.0		75.1		5.4				7		-				-		-	
					Bottom	6.9	0.3	242	28.4	28.4	7.9	7.9	15.5	15.5	75.0	75.0	5.4	5.4			6		-				-		-	
						6.9	0.3	255	28.4		7.9		15.5		75.0		5.4				6		-				-		-	
SR4A	Cloudy	Moderate	19:15	8.6	Surface	1.0	0.3	56	28.6	28.6	8.2	8.2	19.5	19.5	99.1	99.2	6.9	6.9	14.1	14.1	15	15	-	-	817209	807826	-	-	-	-
						1.0	0.3	60	28.6		8.2		19.5		99.2		6.9				17		-				-		-	
					Middle	4.3	0.2	57	28.6	28.6	8.2	8.2	19.5	19.5	99.1	99.1	6.9				12.6		-				-		-	
						4.3	0.2	57	28.6		8.2		19.5		99.0		6.9				13.0		-				-		-	
					Bottom	7.6	0.2	52	28.6	28.6	8.2	8.2	19.5	19.5	99.1	99.1	6.9	6.9			15		-				-		-	
						7.6	0.2	56	28.6		8.2		19.5		99.1		6.9				12.9		-				-		-	
																					14		-				-		-	
																					12		-				-		-	
																					16.9		-				-		-	
																					13		-				-		-	
SR5A	Cloudy	Moderate	19:30	3.7	Surface	1.0	0.1	354	28.6	28.6	8.2	8.2	19.6	19.6	103.4	103.4	7.2	7.2	9.8	9.8	10	10	-	-	816602	810696	-	-	-	-
						1.0	0.1	326	28.6		8.2		19.6		103.4		7.2				9.3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						-	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	2.7	0.0	337	28.6	28.6	8.2	8.2	19.7	19.7	103.6	103.6	7.2	7.2			10		-				-		-	
						2.7	0.0	339	28.6		8.2		19.7		103.6		7.2				10.5		-				-		-	
SR6A	Cloudy	Moderate	20:17	4.2	Surface	1.0	0.1	227	28.5	28.5	8.2	8.2	18.5	18.6	104.0	104.5	7.3	7.4	5.6	5.6	5	5	-	-	817974	814745	-	-	-	-
						1.0	0.1	234	28.5		8.2		18.7		105.0		7.4				5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						-	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	3.2	0.0	290	27.9	27.9	8.3	8.3	19.4	19.4	107.3	106.9	7.6	7.6			5		-				-		-	
						3.2	0.0	310	27.8		8.3		19.4		106.4		7.5				5		-				-		-	
SR7	Cloudy	Moderate	20:27	14.8	Surface	1.0	0.0	116	26.8	26.8	8.1	8.1	24.2	24.2	76.7	76.7	5.4	5.2	5.0	5.0	3	3	-	-	823655	823758	-	-	-	-
						1.0	0.0	118	26.8		8.1		24.2		76.7		5.4				4		-				-		-	
					Middle	7.4	0.1	184	26.3	26.3	8.1	8.1	25.9	25.9	72.1	72.4	5.0				4		-				-		-	
						7.4	0.1	198	26.3		8.1		25.9		72.6		5.1				3		-				-		-	
					Bottom	13.8	0.1	76	25.5	25.5	8.1	8.1	28.5	28.5	66.2	66.3	4.6	4.6			3		-				-		-	
						13.8	0.1	77	25.5		8.1		28.5		66.3		4.6				6.7		-				-		-	
SR8	Cloudy	Moderate	19:06	4.1	Surface	1.0	-	-	29.2	29.2	8.1	8.1	14.0	14.0	92.0	92.0	6.5	6.5	4.9	4.9	4	4	-	-	820392	811639	-	-	-	-
						1.0	-	-	29.2		8.1		14.1		92.0		6.5				5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-				4.6		-				-		-	
						-	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	3.1	-	-	28.8	28.9	8.1	8.1	17.8	17.8	92.5	92.5	6.5	6.5			4		-				-		-	
						3.1	-	-	28.9		8.1		17.7		92.5		6.5				4		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	13:54	8.2	Surface	1.0	0.4	212	28.9	28.9	8.1	8.1	17.4	17.4	103.5	103.4	7.3	6.7	4.1	6.1	4	4	87	89	815642	804234	<0.2	<0.2	0.7	0.8
						1.0	0.4	229	28.9		8.1		17.4		103.3		7.2		4.1		4		87				<0.2		0.7	
					Middle	4.1	0.8	189	28.0	28.0	8.0	8.0	19.5	19.6	86.7	86.5	6.1		5.7		4		89				<0.2		0.7	
						4.1	0.8	192	28.0		8.0		19.6		86.2		6.1		5.7		4		89				<0.2		0.7	
					Bottom	7.2	0.6	211	25.2	25.2	7.9	7.9	29.4	29.4	53.1	53.2	3.7	3.7	8.3		4		92				<0.2		0.8	
						7.2	0.7	217	25.2		7.9		29.4		53.2		3.7		8.5		4		91				<0.2		1.0	
C2	Sunny	Moderate	12:49	12.0	Surface	1.0	0.4	165	29.4	29.4	8.0	8.0	15.4	15.4	91.6	91.6	6.4	5.9	4.2	7.5	4	4	86	88	825663	806967	<0.2	<0.2	1.0	0.9
						1.0	0.5	166	29.4		8.0		15.4		91.5		6.4		4.2		3		86				<0.2		0.9	
					Middle	6.0	0.3	175	28.3	28.3	7.9	7.9	18.0	18.0	77.6	77.4	5.5		7.4		4		87				<0.2		0.9	
						6.0	0.3	181	28.3		7.9		18.0		77.2		5.4		7.4		3		88				<0.2		0.9	
					Bottom	11.0	0.4	156	26.3	26.3	7.9	7.9	26.0	26.0	63.3	63.4	4.4	4.4	10.6		4		90				<0.2		1.0	
						11.0	0.5	170	26.2		7.9		26.1		63.4		4.4		11.1		4		90				<0.2		0.9	
C3	Sunny	Moderate	14:23	12.0	Surface	1.0	0.1	79	27.7	27.7	8.0	8.0	21.4	21.4	86.1	86.1	6.0	6.0	4.9	5.6	5	5	87	88	822113	817814	<0.2	<0.2	0.9	0.9
						1.0	0.1	84	27.7		8.0		21.4		86.0		6.0		4.9		5		86				<0.2		0.9	
					Middle	6.0	0.1	47	27.7	27.7	8.0	8.0	21.5	21.5	85.0	84.9	5.9		4.6		4		88				<0.2		0.8	
						6.0	0.1	51	27.7		8.0		21.5		84.8		5.9		5.0		5		89				<0.2		0.9	
					Bottom	11.0	0.2	74	26.1	26.2	8.0	8.0	27.7	27.7	73.9	74.3	5.1	5.2	7.0		4		90				<0.2		0.9	
						11.0	0.2	77	26.2		8.0		27.7		74.6		5.2		7.0		4		90				<0.2		0.9	
IM1	Cloudy	Moderate	13:34	5.1	Surface	1.0	0.1	225	28.0	28.0	8.0	8.0	20.0	20.1	87.7	86.9	6.1	6.1	8.2	9.5	5	5	88	89	817949	807108	<0.2	<0.2	0.8	0.8
						1.0	0.1	227	28.0		8.0		20.1		86.0		6.0		8.3		3		88				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	219	26.2	26.2	8.0	8.0	26.4	26.4	63.1	63.2	4.4	4.4	10.8		6		90				<0.2		0.8	
						4.1	0.0	233	26.2		8.0		26.3		63.3		4.4		10.8		6		89				<0.2		0.8	
IM2	Cloudy	Moderate	13:26	7.3	Surface	1.0	0.2	199	28.8	28.8	8.1	8.1	17.7	17.7	100.4	100.3	7.0	5.6	4.6	7.0	4	4	87	89	818143	806151	<0.2	<0.2	0.7	0.7
						1.0	0.2	199	28.8		8.1		17.7		100.2		7.0		4.6		3		86				<0.2		0.7	
					Middle	3.7	0.4	148	26.3	26.3	7.9	7.9	25.8	25.8	59.5	59.6	4.2		7.2		4		89				<0.2		0.7	
						3.7	0.4	161	26.3		7.9		25.8		59.7		4.2		6.8		4		89				<0.2		0.7	
					Bottom	6.3	0.2	97	25.7	25.7	7.9	7.9	28.2	28.2	59.1	59.2	4.1	4.1	9.5		5		91				<0.2		0.8	
						6.3	0.2	103	25.7		7.9		28.2		59.2		4.1		9.4		5		91				<0.2		0.7	
IM3	Cloudy	Moderate	13:19	7.5	Surface	1.0	0.2	248	28.7	28.7	8.1	8.1	17.6	17.6	97.6	97.6	6.8	5.8	4.9	7.1	7	7	87	89	818807	805588	<0.2	<0.2	0.7	0.7
						1.0	0.2	272	28.7		8.1		17.6		97.5		6.8		4.9		8		87				<0.2		0.6	
					Middle	3.8	0.2	155	27.2	27.2	8.0	8.0	22.8	22.8	68.9	68.8	4.8		6.2		7		89				<0.2		0.7	
						3.8	0.3	156	27.2		8.0		22.9		68.6		4.8		6.1		7		88				<0.2		0.7	
					Bottom	6.5	0.4	124	26.2	26.2	8.0	8.0	26.3	26.3	62.6	62.7	4.4	4.4	10.4		5		91				<0.2		0.8	
						6.5	0.4	129	26.2		8.0		26.3		62.8		4.4		10.4		5		91				<0.2		0.7	
IM4	Rainy	Rough	13:09	8.6	Surface	1.0	0.7	202	27.9	27.9	8.0	8.0	20.2	20.2	79.2	79.1	5.6	5.1	8.0	11.4	7	7	86	88	819711	804606	<0.2	<0.2	0.8	0.8
						1.0	0.8	207	27.9		8.0		20.2		79.0		5.5		8.0		8		86				<0.2		0.8	
					Middle	4.3	0.8	190	26.7	26.7	7.9	7.9	24.2	24.2	66.6	66.7	4.7		10.9		8		89				<0.2		0.8	
						4.3	0.8	202	26.7		7.9		24.3		66.8		4.7		11.1		8		89				<0.2		0.8	
					Bottom	7.6	0.4	159	26.1	26.1	8.0	8.0	26.3	26.3	62.9	63.0	4.4	4.4	15.5		6		90				<0.2		0.8	
						7.6	0.4	164	26.1		8.0		26.3		63.0		4.4		15.2		6		90				<0.2		0.8	
IM5	Cloudy	Rough	13:02	8.1	Surface	1.0	0.7	219	28.1	28.1	8.0	8.0	19.1	19.1	86.6	86.6	6.1	5.9	6.6	7.9	4	4	86	89	820721	804862	<0.2	<0.2	0.8	0.9
						1.0	0.7	238	28.1		8.0		19.2		86.6		6.1		6.7		4		86				<0.2		0.9	
					Middle	4.1	0.6	191	27.8	27.8	8.0	8.0	20.4	20.4	80.0	80.0	5.6		7.6		4		89				<0.2		0.8	
						4.1	0.6	208	27.8		8.0		20.4		80.0		5.6		7.6		4		89				<0.2		0.8	
					Bottom	7.1	0.4	177	26.5	26.5	8.0	8.0	24.8	24.8	65.0	65.1	4.5	4.6	9.1		5		91				<0.2		0.9	
						7.1	0.4	189	26.5		8.0		24.8		65.1		4.6		9.4		5		90				<0.2		0.9	
IM6	Cloudy	Moderate	12:54	7.7	Surface	1.0	0.5	239	28.5	28.5	8.0	8.0	17.7	17.7	91.0	91.0	6.4	5.9	6.3	8.7	4	4	86	88	821076	805823	<0.2	<0.2	0.8	0.7
						1.0	0.5	253	28.5		8.0		17.7		91.0		6.4		6.3		4		86				<0.2		0.7	
					Middle	3.9	0.5	215	27.6	27.6	8.0	8.0	20.4	20.4	77.0	77.0	5.4		7.0		4		89				<0.2		0.7	
						3.9	0.6	235	27.6		8.0		20.5		76.9		5.4		7.0		4		89				<0.2		0.7	
					Bottom	6.7	0.4	198	26.8	26.8	7.9	7.9	23.8	23.8	65.1	65.2	4.6	4.6	12.8		5		90				<0.2		0.8	
						6.7	0.4	215	26.8		7.9		23.8		65.2		4.6		12.9		5		90				<0.2		0.7	
IM7	Fine	Moderate	12:49	9.0	Surface	1.0	0.3	270	28.7	28.7	8.0	8.0	17.1	17.1	92.2	92.0	6.5	6.0	5.3	9.4	4	4	86	88	821359	806857	<0.2	<0.2	0.9	0.8
						1.0	0.3	295	28.7		8.0		17.1		91.8		6.5		5.3		4		86				<0.2		0.8	
					Middle	4.5	0.2	219	27.8	27.8	8.0	8.0	19.8	19.8	77.0	77.0	5.4		10.8		4		88				<0.2		0.7	
						4.5	0.2	229	27.8		8.0		19.8		77.0		5.4		10.8		4		88				<0.2		0.8	
					Bottom	8.0	0.2	159	27.4	27.4	8.0	8.0	21.7	21.7	72.1	72.2	5.1	5.1	12.3		4		90				<0.2		0.7	
						8.0	0.2	160	27.4		8.0		21.7		72.2		5.1		12.2		3		90				<0.2		0.7	
IM8	Rainy	Moderate	13:10	8.4	Surface	1.0	0.1	50	28.8	28.8	8.0	8.0	17.0	17.0	88.5	88.5	6.2	6.0	4.1	5.8	4	4	86	88	821847	808117	<0.2	<0.2	0.9	0.9
						1.0	0.1	51	28.8		8.0		17.0		88.5		6.2		4.1		3		87				<0.2		1.1	
					Middle	4.2	0.2	155	28.2	28.2	7.9	7.9	18.9	18.9	81.0	81.1	5.7		5.6		3		88				<0.2		0.8	
						4.2	0.2	156	28.2		7.9		18.9		81.2		5.7		5.4		4		89				<0.2		0.8	
					Bottom	7.4	0.1	149	28.0	28.0	7.9	7.9	19.4	19.4	78.0	78.1	5.5	5.5	7.8		4		90				<0.2		0.8	
						7.4	0.1	162	28.0		7.9		19.4		78.1		5.5		7.8		4		90				<0.2		0.8	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	13:16	8.1	Surface	1.0	0.6	72	28.7	28.7	8.0	7.9	17.2	17.2	89.2	89.1	6.3	6.0	4.4	5.4	5	4	86	88	822113	808813	<0.2	<0.2	0.8	0.9
						1.0	0.6	74	28.6		7.9		17.3		89.0		6.3		4.6		4		86				<0.2		0.9	
					Middle	4.1	0.4	108	28.2	28.2	7.9	7.9	18.4	18.5	81.6	81.5	5.7		5.6		4		89				<0.2		0.8	
						4.1	0.5	108	28.2		7.9		18.6		81.3		5.7		5.7		4		88				<0.2		0.9	
					Bottom	7.1	0.3	99	27.8	27.8	7.9	7.9	20.4	20.4	75.3	75.5	5.3	5.3	5.8		4		90				<0.2		0.9	
						7.1	0.4	106	27.8		7.9		20.4		75.6		5.3		6.0		4		90				<0.2		1.0	
IM10	Rainy	Moderate	13:22	7.6	Surface	1.0	0.8	100	29.1	29.1	8.0	8.0	16.5	16.5	95.5	95.5	6.7	6.5	3.1	5.6	5	4	86	88	822387	809809	<0.2	<0.2	0.8	0.9
						1.0	0.8	103	29.1		8.0		16.5		95.5		6.7		3.1		5		86				<0.2		0.9	
					Middle	3.8	0.9	111	28.5	28.5	7.9	7.9	16.8	16.8	89.4	89.3	6.3		4.1		5		88				<0.2		0.9	
						3.8	0.9	117	28.4		7.9		16.8		89.1		6.3		4.1		4		87				<0.2		0.8	
					Bottom	6.6	0.6	107	28.0	28.0	7.9	7.9	19.5	19.5	79.6	79.7	5.6	5.6	9.5		3		90				<0.2		0.8	
						6.6	0.7	109	28.0		7.9		19.5		79.8		5.6		9.8		3		90				<0.2		0.9	
IM11	Rainy	Moderate	13:30	8.4	Surface	1.0	0.9	103	28.7	28.7	8.0	8.0	16.9	16.9	92.0	91.8	6.5	6.1	6.7	9.6	5	5	85	88	822064	811480	<0.2	<0.2	0.8	0.9
						1.0	0.9	105	28.6		8.0		17.0		91.6		6.5		6.2		5		87				<0.2		0.9	
					Middle	4.2	0.7	114	28.0	28.0	7.9	7.9	19.5	19.5	80.3	80.3	5.6		10.6		4		88				<0.2		0.9	
						4.2	0.8	116	28.0		7.9		19.5		80.3		5.6		10.8		5		88				<0.2		0.9	
					Bottom	7.4	0.5	112	28.0	28.1	7.9	7.9	19.6	19.5	80.8	80.9	5.7	5.7	11.7		4		90				<0.2		0.9	
						7.4	0.5	118	28.1		7.9		19.5		80.9		5.7		11.7		4		90				<0.2		0.9	
IM12	Rainy	Moderate	13:35	9.0	Surface	1.0	0.4	94	28.9	28.9	8.0	8.0	17.1	17.1	91.8	91.7	6.4	6.0	4.4	9.6	3	4	86	88	821450	812034	<0.2	<0.2	0.9	0.9
						1.0	0.4	101	28.9		8.0		17.1		91.5		6.4		4.6		3		86				<0.2		0.8	
					Middle	4.5	0.4	91	28.2	28.2	7.9	7.9	19.0	19.0	80.6	80.5	5.7		10.5		4		89				<0.2		0.8	
						4.5	0.4	98	28.2		7.9		19.0		80.3		5.6		10.5		4		87				<0.2		1.0	
					Bottom	8.0	0.3	76	27.9	28.0	7.9	7.9	19.7	19.7	79.3	79.3	5.6	5.6	13.6		4		90				<0.2		0.9	
						8.0	0.3	78	28.0		7.9		19.7		79.3		5.6		13.9		4		90				<0.2		0.9	
SR1A	Sunny	Moderate	13:51	5.0	Surface	1.0	-	-	29.1	29.1	8.0	8.0	17.7	17.7	94.3	94.2	6.6	6.6	4.0	4.3	4	4	-	-	819978	812661	-	-	-	-
						1.0	-	-	29.0		8.0		17.8		94.0		6.6		4.1		3		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	29.0	29.0	8.0	8.0	17.8	17.8	93.2	93.2	6.5	6.5	4.5		4		-				-		-	
						4.0	-	-	29.0		8.0		17.8		93.2		6.5		4.5		4		-				-		-	
SR2	Sunny	Moderate	14:02	4.4	Surface	1.0	0.6	89	28.9	28.9	8.0	8.0	17.2	17.2	95.3	95.3	6.7	6.7	3.0	3.8	3	4	88	89	821477	814167	<0.2	<0.2	0.9	0.9
						1.0	0.6	94	28.9		8.0		17.2		95.3		6.7		3.2		3		87				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.3	91	28.4	28.4	8.0	8.0	18.6	18.6	89.7	89.9	6.3	6.3	4.5		4		90				<0.2		0.9	
						3.4	0.4	98	28.4		8.0		18.6		90.0		6.3		4.5		4		90				<0.2		0.8	
SR3	Rainy	Moderate	13:04	9.0	Surface	1.0	0.1	189	28.5	28.5	7.9	7.9	17.3	17.3	86.8	86.7	6.1	5.9	5.5	7.6	4	4	-	-	822165	807594	-	-	-	-
						1.0	0.1	206	28.4		7.9		17.3		86.6		6.1		5.8		4		-				-		-	
					Middle	4.5	0.2	196	28.1	28.1	7.9	7.9	18.9	18.9	79.9	79.9	5.6		7.6		4		-				-		-	
						4.5	0.3	200	28.1		7.9		18.9		79.9		5.6		7.8		4		-				-		-	
					Bottom	8.0	0.1	229	27.9	27.9	7.9	7.9	20.2	20.2	76.0	76.1	5.3	5.3	9.4		3		-				-		-	
						8.0	0.1	236	27.9		7.9		20.2		76.1		5.3		9.3		4		-				-		-	
SR4A	Cloudy	Calm	14:17	8.0	Surface	1.0	0.5	254	28.7	28.7	8.1	8.1	18.0	18.0	96.6	96.7	6.8	5.6	5.5	8.6	4	4	-	-	817177	807820	-	-	-	-
						1.0	0.5	276	28.7		8.1		18.0		96.7		6.8		5.5		4		-				-		-	
					Middle	4.0	0.3	247	26.6	26.6	7.9	7.9	24.3	24.3	62.1	62.1	4.3		9.1		4		-				-		-	
						4.0	0.3	249	26.6		7.9		24.3		62.1		4.4		9.2		3		-				-		-	
					Bottom	7.0	0.0	256	26.1	26.1	8.0	8.0	26.9	26.9	57.0	57.0	4.0	4.0	11.1		3		-				-		-	
						7.0	0.0	260	26.1		8.0		26.9		57.0		4.0		11.2		3		-				-		-	
SR5A	Cloudy	Calm	14:35	3.3	Surface	1.0	0.1	289	29.4	29.4	8.2	8.2	18.2	18.2	116.4	116.3	8.0	8.0	6.0	7.6	5	5	-	-	816600	810674	-	-	-	-
						1.0	0.1	292	29.4		8.2		18.2		116.1		8.0		6.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.1	292	28.9	28.9	8.2	8.2	18.5	18.5	105.6	105.6	7.3	7.3	9.1		4		-				-		-	
						2.3	0.1	310	28.9		8.2		18.5		105.5		7.3		9.2		4		-				-		-	
SR6A	Fine	Calm	15:16	3.8	Surface	1.0	0.0	88	28.8	28.8	8.1	8.1	18.7	18.7	95.3	95.2	6.6	6.6	9.8	10.0	7	9	-	-	817979	814749	-	-	-	-
						1.0	0.0	95	28.7		8.1		18.8		95.1		6.6		9.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	236	27.8	27.8	8.1	8.1	21.3	21.3	78.7	78.8	5.5	5.5	10.2		11		-				-		-	
						2.8	0.0	244	27.8		8.1		21.2		78.8		5.5		10.2		10		-				-		-	
SR7	Sunny	Moderate	14:50	16.4	Surface	1.0	0.8	60	29.1	29.1	8.0	8.0	17.0	17.1	103.2	103.1	7.2	6.9	2.6	3.0	7	5	-	-	823643	823744	-	-	-	-
						1.0	0.9	60	29.0		8.0		17.1		103.0		7.2		2.6		7		-				-		-	
					Middle	8.2	0.5	34	28.4	28.4	8.0	8.0	19.4	19.5	95.0	94.8	6.6		3.1		5		-				-		-	
						8.2	0.5	34	28.4		8.0		19.5		94.6		6.6		3.2		5		-				-		-	
					Bottom	15.4	0.4	21	28.2	28.3	8.0	8.0	20.2	20.1	93.3	93.4	6.5	6.5	3.4		4		-				-		-	
						15.4	0.4	21	28.3		8.0		20.1		93.4		6.5		3.4		4		-				-		-	
SR8	Sunny	Moderate	13:43	5.4	Surface	1.0	-	-	29.1	29.1	8.0	8.0	17.9	17.9	88.8	88.8	6.2	6.2	7.0	6.6	3	3	-	-	820369	811608	-	-	-	-
						1.0	-	-	29.1		8.0		17.9		88.7		6.2		7.2		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	28.7	28.8	8.0	8.0	18.8	18.8	87.7	87.8	6.1	6.1	6.2		3		-				-		-	
						4.4	-	-	28.8		8.0		18.8		87.9		6.1		6.1		3		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	07:51	8.4	Surface	1.0	0.7	33	28.2	28.2	8.0	8.0	16.6	16.6	88.9	88.9	6.3	6.0	7.7	9.7	3	4	86	89	815608	804247	<0.2	<0.2	0.7	0.7
						1.0	0.7	33	28.2		8.0		16.6		88.9		6.3		7.7		4		87				<0.2		0.7	
					Middle	4.2	0.6	30	27.8	27.8	8.0	8.0	19.7	19.7	80.0	80.0	5.6		9.5		5		89				<0.2		0.7	
						4.2	0.6	30	27.8		8.0		19.7		80.0		5.6		9.4		4		89				<0.2		0.7	
					Bottom	7.4	0.5	12	27.3	27.3	8.0	8.0	22.3	22.3	72.6	72.7	5.1	5.1	11.9		5		91				<0.2		0.7	
						7.4	0.5	12	27.3		8.0		22.3		72.7		5.1		12.0		5		91				<0.2		0.7	
C2	Cloudy	Moderate	08:02	12.0	Surface	1.0	0.5	347	28.8	28.8	8.0	8.0	14.4	14.4	83.0	83.0	5.9	5.7	4.9	6.6	3	3	85	88	825670	806937	<0.2	<0.2	0.9	0.9
						1.0	0.5	319	28.8		8.0		14.4		82.9		5.9		4.9		3		86				<0.2		0.8	
					Middle	6.0	0.5	355	28.5	28.5	8.0	8.0	18.1	18.1	76.7	76.5	5.4		4.7		3		88				<0.2		0.9	
						6.0	0.5	327	28.5		8.0		18.1		76.3		5.4		4.7		3		87				<0.2		0.9	
					Bottom	11.0	0.6	352	27.8	27.8	8.0	8.0	20.8	20.8	72.7	72.7	5.1	5.1	10.2		4		90				<0.2		1.0	
						11.0	0.6	324	27.8		8.0		20.8		72.6		5.1		10.1		4		90				<0.2		0.9	
C3	Cloudy	Moderate	06:22	12.0	Surface	1.0	0.4	286	28.5	28.5	8.1	8.1	16.9	16.9	85.2	85.1	6.0	5.9	5.2	7.3	4	4	86	88	822116	817794	<0.2	<0.2	0.9	1.0
						1.0	0.4	295	28.4		8.1		16.9		84.9		6.0		5.8		5		87				<0.2		0.9	
					Middle	6.0	0.4	278	27.8	27.8	8.1	8.1	20.8	20.8	81.2	81.2	5.7		9.6		4		88				<0.2		1.0	
						6.0	0.4	288	27.7		8.1		20.8		81.2		5.7		9.7		4		89				<0.2		1.0	
					Bottom	11.0	0.3	275	26.6	26.6	8.1	8.1	25.1	25.1	76.1	76.2	5.3	5.3	6.6		4		90				<0.2		1.0	
						11.0	0.4	276	26.6		8.1		25.1		76.2		5.3		7.0		4		90				<0.2		0.9	
IM1	Fine	Moderate	08:09	5.2	Surface	1.0	0.1	156	28.1	28.1	8.0	8.0	19.3	19.4	83.7	83.8	5.9	5.9	6.5	6.8	3	5	87	88	817936	807141	<0.2	<0.2	0.8	0.8
						1.0	0.2	158	28.1		8.0		19.4		83.8		5.9		6.5		4		87				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	177	27.8	27.8	8.0	8.0	20.6	20.6	77.2	77.2	5.4	5.4	7.2		5		90				<0.2		0.8	
						4.2	0.2	193	27.8		8.0		20.6		77.2		5.4		7.1		6		89				<0.2		0.8	
IM2	Fine	Moderate	08:18	7.5	Surface	1.0	0.4	11	28.4	28.4	8.0	8.0	16.9	16.9	91.9	91.9	6.5	6.2	6.1	7.5	6	5	85	89	818143	806176	<0.2	<0.2	0.9	0.8
						1.0	0.5	11	28.4		8.0		16.9		91.8		6.5		6.1		5		86				<0.2		0.8	
					Middle	3.8	0.3	359	28.3	28.3	8.0	8.0	18.0	18.0	84.1	83.7	5.9		6.3		5		90				<0.2		0.8	
						3.8	0.3	330	28.3		8.0		18.0		83.3		5.9		6.4		5		89				<0.2		0.8	
					Bottom	6.5	0.3	317	26.9	26.9	8.0	8.0	23.9	23.9	65.4	65.5	4.6	4.6	10.1		4		91				<0.2		0.8	
						6.5	0.3	342	26.9		8.0		23.9		65.5		4.6		10.0		4		90				<0.2		0.8	
IM3	Fine	Moderate	08:25	7.8	Surface	1.0	0.5	7	28.3	28.3	8.0	8.0	16.8	16.8	89.4	89.4	6.3	6.0	6.1	7.6	4	5	85	88	818776	805596	<0.2	<0.2	0.8	0.8
						1.0	0.5	7	28.3		8.0		16.8		89.3		6.3		6.1		4		86				<0.2		0.7	
					Middle	3.9	0.4	317	28.2	28.2	8.0	8.0	18.9	19.0	80.1	80.1	5.6		6.9		5		89				<0.2		0.8	
						3.9	0.4	328	28.2		8.0		19.0		80.0		5.6		6.9		5		89				<0.2		0.8	
					Bottom	6.8	0.4	283	26.6	26.6	7.9	7.9	24.7	24.7	63.5	63.6	4.4	4.4	9.7		6		90				<0.2		0.6	
						6.8	0.4	308	26.6		7.9		24.7		63.6		4.4		9.8		6		90				<0.2		0.8	
IM4	Fine	Moderate	08:35	8.9	Surface	1.0	0.9	9	28.4	28.4	8.0	8.0	17.0	16.9	88.5	88.5	6.3	5.8	5.9	8.9	4	5	85	88	819733	804599	<0.2	<0.2	0.8	0.8
						1.0	0.9	9	28.4		8.0		16.9		88.4		6.3		5.9		4		85				<0.2		0.8	
					Middle	4.5	0.8	341	27.8	27.8	8.0	8.0	19.9	19.9	75.5	75.5	5.3		7.7		5		88				<0.2		0.8	
						4.5	0.9	346	27.8		8.0		19.9		75.5		5.3		7.7		6		89				<0.2		0.8	
					Bottom	7.9	0.5	343	26.8	26.8	7.9	7.9	23.9	23.9	64.2	64.2	4.5	4.5	12.7		6		90				<0.2		0.7	
						7.9	0.6	316	26.8		7.9		23.9		64.2		4.5		13.2		6		90				<0.2		0.8	
IM5	Fine	Moderate	08:41	7.0	Surface	1.0	1.1	10	28.4	28.4	8.0	8.0	17.7	17.7	84.7	84.7	6.0	5.9	6.2	7.8	5	5	85	88	820756	804864	<0.2	<0.2	0.8	0.9
						1.0	1.2	10	28.3		8.0		17.7		84.6		6.0		6.3		5		85				<0.2		0.9	
					Middle	3.5	1.1	4	28.2	28.2	8.0	8.0	18.5	18.5	82.0	82.0	5.8		6.8		5		89				<0.2		0.9	
						3.5	1.2	4	28.2		8.0		18.5		82.0		5.8		6.8		5		89				<0.2		0.9	
					Bottom	6.0	0.7	13	27.5	27.5	8.0	8.0	21.1	21.2	73.8	73.8	5.2	5.2	10.2		6		90				<0.2		0.9	
						6.0	0.8	13	27.5		8.0		21.2		73.7		5.2		10.5		6		90				<0.2		0.8	
IM6	Fine	Moderate	08:49	8.1	Surface	1.0	0.1	215	28.8	28.8	8.0	8.0	15.6	15.6	87.8	87.9	6.2	6.2	5.4	8.6	6	6	86	89	821053	805820	<0.2	<0.2	0.8	0.9
						1.0	0.2	216	28.8		8.0		15.6		87.9		6.2		5.5		6		85				<0.2		0.9	
					Middle	4.1	0.1	120	28.5	28.5	8.0	8.0	16.9	16.9	87.4	87.4	6.2		8.3		6		89				<0.2		0.9	
						4.1	0.1	130	28.5		8.0		16.9		87.3		6.2		8.4		6		90				<0.2		0.9	
					Bottom	7.1	0.2	73	27.2	27.2	8.0	8.0	22.3	22.3	71.6	71.7	5.0	5.0	11.9		6		91				<0.2		0.9	
						7.1	0.2	75	27.2		8.0		22.3		71.8		5.0		12.3		7		90				<0.2		1.0	
IM7	Fine	Moderate	08:57	9.3	Surface	1.0	0.1	196	28.5	28.5	8.0	8.0	16.4	16.4	85.8	85.8	6.1	6.0	6.7	10.6	6	5	86	88	821329	806851	<0.2	<0.2	1.0	1.0
						1.0	0.1	204	28.5		8.0		16.4		85.7		6.1		7.0		6		85				<0.2		1.0	
					Middle	4.7	0.2	135	28.2	28.2	8.0	8.0	18.8	18.8	83.1	83.1	5.8		10.0		4		89				<0.2		0.9	
						4.7	0.2	145	28.1		8.0		18.8		83.0		5.8		10.0		5		88				<0.2		1.0	
					Bottom	8.3	0.2	107	27.0	27.0	8.0	8.0	23.4	23.4	70.1	70.2	4.9	4.9	14.9		4		90				<0.2		0.9	
						8.3	0.2	112	27.0		8.0		23.4		70.2		4.9		15.2		5		90				<0.2		0.9	
IM8	Cloudy	Moderate	07:40	7.9	Surface	1.0	0.3	266	28.8	28.8	8.0	8.0	15.1	15.1	85.7	85.7	6.1	6.0	4.5	6.1	6	5	87	88	821826	808118	<0.2	<0.2	0.8	0.9
						1.0	0.3	286	28.8		8.0		15.1		85.6		6.1		4.5		6		86				<0.2		0.9	
					Middle	4.0	0.3	285	28.7	28.7	8.0	8.0	16.1	16.1	83.9	83.8	5.9		5.6		4		88				<0.2		0.9	
						4.0	0.3	286	28.7		8.0		16.1		83.7		5.9		5.9		4		87				<0.2		0.9	
					Bottom	6.9	0.1	254	28.6	28.6	8.0	8.0	16.6	16.6	84.2	84.3	5.9	6.0	8.0		4		90				<0.2		0.9	
						6.9	0.1	278	28.6		8.0		16.6		84.4		6.0		7.9		3		90				<0.2		0.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	07:35	7.2	Surface	1.0	0.6	247	28.7	28.7	8.0	8.0	16.5	16.5	83.3	83.3	5.9	5.9	7.8	8.6	6	6	86	88	822117	808814	<0.2	<0.2	0.9	1.0
						1.0	0.6	269	28.7		8.0		16.5		83.2		5.9		7.8		7		87				<0.2		0.9	
					Middle	3.6	0.5	246	28.7	28.7	8.0	8.0	16.6	16.6	82.6	82.6	5.8		8.9		6		88				<0.2		0.9	
						3.6	0.5	267	28.7		8.0		16.7		82.6		5.8		8.9		6		89				<0.2		1.1	
					Bottom	6.2	0.6	240	28.7	28.7	8.0	8.0	16.8	16.8	83.0	83.1	5.9	5.9	9.3		6		90				<0.2		1.0	
						6.2	0.6	249	28.7		8.0		16.8		83.2		5.9		9.2		6		90				<0.2		1.0	
IM10	Cloudy	Moderate	07:29	7.9	Surface	1.0	0.5	311	28.7	28.7	8.0	8.0	16.3	16.3	83.1	83.0	5.9	5.9	5.6	9.1	6	5	86	89	822378	809806	<0.2	<0.2	1.0	0.9
						1.0	0.5	340	28.7		8.0		16.4		82.9		5.9		5.6		5		87				<0.2		0.9	
					Middle	4.0	0.6	296	28.6	28.6	8.0	8.0	16.9	16.9	81.6	81.6	5.8		5.5		5		89				<0.2		0.9	
						4.0	0.6	301	28.6		8.0		16.9		81.5		5.8		5.5		5		90				<0.2		0.9	
					Bottom	6.9	0.4	285	28.5	28.5	8.0	8.0	17.6	17.6	82.1	82.3	5.8	5.8	16.1		3		90				<0.2		1.0	
						6.9	0.4	294	28.5		8.0		17.6		82.4		5.8		16.4		3		91				<0.2		0.8	
IM11	Cloudy	Moderate	07:19	8.2	Surface	1.0	0.5	305	28.7	28.7	8.0	8.0	15.0	15.0	84.3	84.3	6.0	5.8	4.6	7.2	6	5	86	89	822073	811454	<0.2	<0.2	1.0	1.0
						1.0	0.6	325	28.7		8.0		15.0		84.2		6.0		4.6		6		86				<0.2		1.0	
					Middle	4.1	0.6	294	28.3	28.4	8.0	8.0	18.5	18.4	78.8	78.8	5.5		6.8		5		89				<0.2		1.0	
						4.1	0.6	304	28.4		8.0		18.4		78.8		5.5		6.8		5		89				<0.2		0.9	
					Bottom	7.2	0.5	309	27.3	27.3	8.0	8.0	22.6	22.6	70.0	70.1	4.9	4.9	10.1		5		91				<0.2		1.0	
						7.2	0.5	333	27.3		8.0		22.6		70.1		4.9		10.3		5		91				<0.2		1.0	
IM12	Cloudy	Moderate	07:11	8.5	Surface	1.0	0.5	309	28.8	28.8	8.0	8.0	15.8	15.8	84.0	84.1	6.0	5.9	4.8	6.7	4	5	85	88	821474	812065	<0.2	<0.2	0.9	0.9
						1.0	0.5	334	28.8		8.0		15.7		84.1		6.0		4.9		4		86				<0.2		0.9	
					Middle	4.3	0.7	311	28.5	28.5	8.0	8.0	17.9	17.9	82.6	82.5	5.8		5.6		4		88				<0.2		0.8	
						4.3	0.7	325	28.5		8.0		17.9		82.3		5.8		5.5		5		87				<0.2		1.1	
					Bottom	7.5	0.5	315	26.9	26.9	8.0	8.0	24.1	24.1	68.8	68.9	4.8	4.8	9.9		5		90				<0.2		0.9	
						7.5	0.5	324	26.9		8.0		24.1		68.9		4.8		9.8		5		90				<0.2		0.9	
SR1A	Cloudy	Moderate	06:53	5.5	Surface	1.0	-	-	28.8	28.8	8.0	8.0	15.7	15.7	85.7	85.7	6.1	6.1	4.1	4.7	6	5	-	-	819980	812664	-	-	-	-
						1.0	-	-	28.8		8.0		15.7		85.6		6.1		4.1		6		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	28.8	28.8	8.0	8.0	16.2	16.2	86.6	86.7	6.1	6.1	5.3		4		-				-		-	
						4.5	-	-	28.8		8.0		16.2		86.7		6.1		5.4		5		-				-		-	
SR2	Cloudy	Moderate	06:42	4.6	Surface	1.0	0.2	263	28.7	28.7	8.0	8.0	16.6	16.6	82.6	82.6	5.8	5.8	5.6	6.4	3	4	88	89	821451	814163	<0.2	<0.2	1.2	1.0
						1.0	0.2	266	28.7		8.0		16.6		82.6		5.8		5.6		4		87				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	320	28.1	28.1	8.0	8.0	19.9	19.8	78.7	78.9	5.5	5.5	7.3		4		90				<0.2		0.9	
						3.6	0.3	325	28.1		8.0		19.8		79.0		5.5		7.2		5		90				<0.2		0.9	
SR3	Cloudy	Moderate	07:45	8.8	Surface	1.0	0.3	201	28.7	28.7	8.0	8.0	14.7	14.7	84.5	84.4	6.0	5.9	4.9	9.1	3	3	-	-	822141	807589	-	-	-	-
						1.0	0.3	219	28.7		8.0		14.8		84.3		6.0		5.0		3		-				-		-	
					Middle	4.4	0.2	222	28.6	28.6	8.0	8.0	16.9	16.9	82.8	82.7	5.8		6.2		3		-				-		-	
						4.4	0.2	234	28.6		8.0		16.9		82.6		5.8		6.6		3		-				-		-	
					Bottom	7.8	0.3	217	28.5	28.5	8.0	8.0	18.0	18.0	84.2	84.3	5.9	5.9	15.9		4		-				-		-	
						7.8	0.3	222	28.5		8.0		18.0		84.4		5.9		16.1		4		-				-		-	
SR4A	Cloudy	Calm	07:28	8.9	Surface	1.0	0.2	268	28.4	28.4	8.0	8.0	17.6	17.6	82.5	82.5	5.8	5.3	7.0	9.0	4	5	-	-	817170	807793	-	-	-	-
						1.0	0.2	286	28.4		8.0		17.6		82.4		5.8		6.9		4		-				-		-	
					Middle	4.5	0.0	240	27.4	27.4	7.9	7.9	22.2	22.2	66.5	66.5	4.7		9.8		5		-				-		-	
						4.5	0.0	244	27.4		7.9		22.3		66.5		4.7		9.8		5		-				-		-	
					Bottom	7.9	0.1	73	26.7	26.7	8.0	8.0	24.6	24.6	64.6	64.7	4.5	4.5	10.3		6		-				-		-	
						7.9	0.1	76	26.7		8.0		24.6		64.7		4.5		10.4		6		-				-		-	
SR5A	Cloudy	Calm	07:11	3.6	Surface	1.0	0.2	275	28.6	28.6	8.1	8.1	17.9	17.9	91.3	91.4	6.4	6.4	6.6	7.1	7	6	-	-	816601	810691	-	-	-	-
						1.0	0.2	285	28.6		8.1		17.9		91.4		6.4		6.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.2	288	28.7	28.7	8.1	8.1	18.7	18.7	93.6	93.6	6.5	6.5	7.6		4		-				-		-	
						2.6	0.2	302	28.7		8.1		18.7		93.6		6.5		7.6		5		-				-		-	
SR6A	Cloudy	Calm	06:39	4.1	Surface	1.0	0.1	231	28.6	28.6	8.0	8.0	16.9	16.9	90.8	90.8	6.4	6.4	5.2	6.7	6	5	-	-	817945	814731	-	-	-	-
						1.0	0.1	249	28.6		8.0		16.9		90.7		6.4		5.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	232	28.7	28.7	7.9	7.9	17.6	17.6	89.7	89.7	6.3	6.3	8.0		4		-				-		-	
						3.1	0.1	252	28.7		7.9		17.6		89.6		6.3		8.1		4		-				-		-	
SR7	Cloudy	Moderate	05:51	16.6	Surface	1.0	0.2	126	28.6	28.6	8.0	8.0	16.7	16.7	86.4	86.4	6.1	5.7	3.0	2.9	3	4	-	-	823626	823762	-	-	-	-
						1.0	0.2	129	28.6		8.0		16.7		86.3		6.1		2.9		4		-				-		-	
					Middle	8.3	0.1	210	27.3	27.3	8.0	8.0	22.4	22.4	74.7	74.5	5.2		2.7		4		-				-		-	
						8.3	0.1	217	27.3		8.0		22.4		74.3		5.2		2.8		4		-				-		-	
					Bottom	15.6	0.2	228	25.5	25.5	8.0	8.0	28.8	28.8	65.9	66.0	4.6	4.6	2.9		5		-				-		-	
						15.6	0.2	235	25.5		8.0		28.8		66.1		4.6		2.9		5		-				-		-	
SR8	Cloudy	Moderate	07:02	5.0	Surface	1.0	-	-	28.9	28.9	8.0	8.0	15.6	15.6	84.7	84.6	6.0	6.0	5.8	8.5	5	5	-	-	820373	811628	-	-	-	-
						1.0	-	-	28.9		8.0		15.7		84.5		6.0		5.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	28.5	28.5	8.0	8.0	17.8	17.8	84.2	84.4	5.9	6.0	11.6		5		-				-		-	
						4.0	-	-	28.5		8.0		17.7		84.6		6.0		11.0		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	15:23	8.8	Surface	1.0	0.4	209	28.8	28.8	8.1	8.1	17.2	17.2	104.9	104.9	7.4	7.2	4.0	8.4	5	4	88	91	815604	804261	<0.2	<0.2	0.9	0.8
						1.0	0.4	211	28.8		8.1		17.2		104.8		7.4		4.0		4		87				<0.2		0.9	
					Middle	4.4	0.5	198	28.6	28.6	8.1	8.1	17.5	17.5	98.1	98.1	6.9		4.2		4		91				<0.2		0.8	
						4.4	0.5	207	28.6		8.1		17.4		98.0		6.9		4.2		5		91				<0.2		0.7	
					Bottom	7.8	0.5	228	25.7	25.7	8.0	8.0	25.1	26.7	63.1	63.0	4.5	4.5	16.0		4		93				<0.2		0.7	
						7.8	0.5	234	25.6		8.0		28.2		62.8		4.4		18.3		4		94				<0.2		0.7	
C2	Cloudy	Rough	14:09	12.4	Surface	1.0	0.2	136	28.8	28.8	7.9	7.9	17.1	17.1	88.0	87.8	6.2	5.7	3.2	4.2	5	5	84	87	825703	806965	<0.2	<0.2	0.8	0.8
						1.0	0.3	138	28.8		7.9		17.1		87.6		6.2		3.2		5		83				<0.2		0.8	
					Middle	6.2	0.3	159	27.7	27.7	7.9	7.9	20.7	20.8	72.5	72.3	5.1		4.3		4		88				<0.2		0.8	
						6.2	0.3	166	27.7		7.9		20.8		72.0		5.1		4.4		5		88				<0.2		0.7	
					Bottom	11.4	0.5	152	25.9	25.9	7.9	7.9	27.1	27.1	62.4	62.5	4.4	4.4	5.1		4		90				<0.2		0.7	
						11.4	0.5	153	25.9		7.9		27.1		62.6		4.4		4.8		4		90				<0.2		0.7	
C3	Cloudy	Moderate	15:59	12.3	Surface	1.0	0.2	293	28.0	28.0	8.0	7.9	20.2	20.2	90.4	90.3	6.3	5.9	2.6	4.2	5	6	84	88	822112	817817	<0.2	<0.2	0.7	0.7
						1.0	0.2	319	28.0		7.9		20.2		90.2		6.3		2.7		4		85				<0.2		0.8	
					Middle	6.2	0.1	263	27.0	27.1	7.9	7.9	23.6	23.5	77.5	77.7	5.4		3.9		5		89				<0.2		0.7	
						6.2	0.2	281	27.1		7.9		23.4		77.9		5.4		4.1		6		88				<0.2		0.7	
					Bottom	11.3	0.2	158	25.5	25.5	7.9	7.9	28.2	28.2	64.8	64.9	4.5	4.5	5.9		7		92				<0.2		0.8	
						11.3	0.2	173	25.5		7.9		28.2		64.9		4.5		6.1		6		91				<0.2		0.7	
IM1	Cloudy	Rough	15:02	4.8	Surface	1.0	0.1	71	28.9	28.9	8.2	8.2	17.4	17.4	111.5	111.3	7.8	7.8	4.5	8.4	6	5	86	88	817962	807147	<0.2	<0.2	0.6	0.7
						1.0	0.1	72	28.9		8.2		17.4		111.1		7.8		4.9		5		85				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	120	28.0	27.6	8.1	8.1	20.5	19.4	84.9	83.9	5.9	5.9	12.0		6		91				<0.2		0.8	
						3.8	0.0	127	27.2		8.1		18.4		82.8		5.9		12.2		4		91				<0.2		0.6	
IM2	Cloudy	Rough	14:55	6.9	Surface	1.0	0.0	172	28.8	28.8	8.1	8.1	17.6	17.6	105.0	104.9	7.4	6.5	4.5	6.9	7	6	86	90	818183	806179	<0.2	<0.2	0.7	0.7
						1.0	0.0	178	28.8		8.1		17.7		104.8		7.3		4.8		6		86				<0.2		0.7	
					Middle	3.5	0.2	139	27.9	27.9	8.0	8.0	20.1	20.1	81.7	81.5	5.7		7.3		6		90				<0.2		0.6	
						3.5	0.2	148	27.9		8.0		20.1		81.2		5.7		7.3		6		89				<0.2		0.6	
					Bottom	5.9	0.1	46	25.8	25.9	7.9	7.9	27.7	27.7	62.7	62.9	4.4	4.4	8.7		5		93				<0.2		0.7	
						5.9	0.1	47	25.9		8.0		27.7		63.0		4.4		8.8		4		94				<0.2		0.6	
IM3	Cloudy	Rough	14:47	7.3	Surface	1.0	0.2	332	28.8	28.8	8.1	8.1	17.2	17.2	102.3	102.2	7.2	6.0	4.0	9.8	6	7	82	87	818795	805608	<0.2	<0.2	0.7	0.7
						1.0	0.2	354	28.8		8.1		17.3		102.1		7.2		4.0		6		83				<0.2		0.6	
					Middle	3.7	0.1	37	27.0	27.0	7.9	7.9	23.8	23.7	69.4	69.7	4.8		10.7		7		86				<0.2		0.7	
						3.7	0.1	38	27.0		7.9		23.7		69.9		4.9		10.7		6		87				<0.2		0.6	
					Bottom	6.3	0.3	124	26.2	26.2	7.9	7.9	26.0	26.0	58.9	58.8	4.1	4.1	14.8		7		90				<0.2		0.7	
						6.3	0.3	126	26.2		7.9		26.0		58.7		4.1		14.8		7		91				<0.2		0.7	
IM4	Cloudy	Rough	14:36	8.4	Surface	1.0	0.9	202	28.6	28.6	8.0	8.0	17.8	17.8	99.2	99.1	7.0	6.6	5.8	10.5	6	6	83	87	819736	804623	<0.2	<0.2	0.6	0.7
						1.0	0.9	207	28.6		8.0		17.8		99.0		7.0		5.9		5		83				<0.2		0.6	
					Middle	4.2	0.8	196	28.1	28.1	8.0	8.0	18.6	18.6	88.0	88.0	6.2		9.1		6		87				<0.2		0.6	
						4.2	0.9	211	28.1		8.0		18.7		87.9		6.2		9.1		6		87				<0.2		0.7	
					Bottom	7.4	0.5	170	27.0	27.1	8.0	8.0	23.1	23.1	75.7	75.7	5.3	5.3	16.6		6		91				<0.2		0.7	
						7.4	0.5	186	27.1		8.0		23.2		75.7		5.3		16.7		7		91				<0.2		0.7	
IM5	Cloudy	Rough	14:29	7.4	Surface	1.0	0.5	207	28.8	28.8	8.1	8.1	17.2	17.2	102.0	102.0	7.2	7.0	4.4	7.2	5	6	83	87	820757	804875	<0.2	<0.2	0.8	0.7
						1.0	0.5	210	28.8		8.1		17.2		101.9		7.2		4.5		5		82				<0.2		0.7	
					Middle	3.7	0.4	203	28.5	28.5	8.1	8.1	17.7	17.7	96.6	96.1	6.8		4.5		5		87				<0.2		0.6	
						3.7	0.4	218	28.5		8.1		17.7		95.6		6.7		4.5		5		87				<0.2		0.8	
					Bottom	6.4	0.3	209	27.2	27.2	8.0	8.0	22.7	22.7	74.3	74.5	5.2	5.2	13.0		6		91				<0.2		0.7	
						6.4	0.3	210	27.2		8.0		22.6		74.6		5.2		12.2		7		91				<0.2		0.8	
IM6	Cloudy	Rough	14:20	7.5	Surface	1.0	0.3	232	28.7	28.7	8.1	8.1	17.3	17.3	102.6	102.5	7.2	7.1	4.7	7.2	4	5	83	88	821051	805829	<0.2	<0.2	0.6	0.6
						1.0	0.3	248	28.7		8.1		17.3		102.4		7.2		4.8		5		83				<0.2		0.6	
					Middle	3.8	0.3	232	28.6	28.6	8.1	8.1	17.8	17.8	99.7	99.8	7.0		5.8		5		87				<0.2		0.6	
						3.8	0.3	246	28.6		8.1		17.7		99.9		7.0		5.8		6		88				<0.2		0.6	
					Bottom	6.5	0.2	245	28.0	28.1	8.0	8.0	19.9	19.9	85.0	85.5	6.0	6.0	10.9		5		92				<0.2		0.7	
						6.5	0.3	255	28.1		8.0		19.9		85.9		6.0		10.9		6		92				<0.2		0.7	
IM7	Cloudy	Rough	14:08	8.9	Surface	1.0	0.1	179	28.7	28.7	8.1	8.1	17.2	17.2	101.6	101.6	7.1	6.8	4.5	5.4	5	5	85	87	821351	806858	<0.2	<0.2	0.6	0.7
						1.0	0.1	181	28.7		8.1		17.2		101.5		7.1		4.5		4		84				<0.2		0.7	
					Middle	4.5	0.2	217	28.4	28.4	8.0	8.0	17.9	17.9	91.1	91.2	6.4		5.1		5		88				<0.2		0.7	
						4.5	0.2	229	28.4		8.0		17.9		91.2		6.4		5.1		4		88				<0.2		0.7	
					Bottom	7.9	0.2	229	28.1	28.2	8.0	8.0	18.9	18.9	84.6	84.8	6.0	6.0	6.7		6		89				<0.2		0.6	
						7.9	0.2	243	28.2		8.1		18.9		85.0		6.0		6.7		6		89				<0.2		0.6	
IM8	Cloudy	Rough	14:34	8.5	Surface	1.0	0.2	42	28.8	28.8	8.0	8.0	17.6	17.6	95.0	95.0	6.7	6.5	3.0	4.5	5	5	85	88	821825	808143	<0.2	<0.2	0.6	0.7
						1.0	0.2	44	28.8		8.0		17.6		94.9		6.7		3.0		4		84				<0.2		0.7	
					Middle	4.3	0.1	88	28.4	28.4	7.9	7.9	18.1	18.1	87.6	87.6	6.2		3.8		5		89				<0.2		0.6	
						4.3	0.1	90	28.4		7.9		18.1		87.5		6.2		3.8		4		89				<0.2		0.7	
					Bottom	7.5	0.2	143	28.1	28.1	7.9	7.9	19.3	19.3	77.6	77.8	5.5	5.5	6.8		5		90				<0.2		0.6	
						7.5	0.2	150	28.1		7.9		19.3		77.9		5.5		6.7		4		91				<0.2		0.7	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	14:42	7.8	Surface	1.0	0.4	62	28.8	28.8	8.0	8.0	17.6	17.6	94.1	94.1	6.6	6.4	3.0	4.2	5	5	84	88	822107	808826	<0.2	<0.2	0.6	0.6
						1.0	0.4	65	28.8		8.0		17.6		94.0		6.6		3.0		5		84				<0.2		0.6	
					Middle	3.9	0.4	101	28.5	28.5	7.9	7.9	17.8	17.9	89.0	88.9	6.3		3.5		5		88				<0.2		0.6	
						3.9	0.4	107	28.5		7.9		17.9		88.7		6.2		3.5		5		89				<0.2		0.7	
					Bottom	6.8	0.5	87	28.0	28.0	7.9	7.9	19.2	19.2	80.5	80.6	5.7	5.7	6.0		5		90				<0.2		0.6	
						6.8	0.5	89	28.0		7.9		19.3		80.6		5.7		5.9		5		91				<0.2		0.7	
IM10	Cloudy	Rough	14:49	8.0	Surface	1.0	0.7	88	28.8	28.8	8.0	8.0	17.4	17.4	95.9	95.9	6.7	6.5	3.0	4.3	6	6	84	88	822401	809793	<0.2	<0.2	0.6	0.7
						1.0	0.8	95	28.8		8.0		17.4		95.8		6.7		3.0		6		83				<0.2		0.6	
					Middle	4.0	0.6	99	28.6	28.6	7.9	7.9	17.5	17.5	90.3	90.3	6.4		3.7		6		89				<0.2		0.7	
						4.0	0.7	102	28.6		7.9		17.5		90.2		6.3		4.1		5		89				<0.2		0.6	
					Bottom	7.0	0.4	102	27.9	27.9	7.9	7.9	20.0	20.0	78.3	78.4	5.5	5.5	6.0		6		91				<0.2		0.7	
						7.0	0.5	105	27.9		7.9		20.0		78.4		5.5		6.0		6		90				<0.2		0.7	
IM11	Cloudy	Moderate	14:59	9.1	Surface	1.0	0.8	84	28.8	28.8	8.0	8.0	17.6	17.6	94.9	94.8	6.7	6.3	2.6	4.2	5	6	84	88	822070	811473	<0.2	<0.2	0.6	0.7
						1.0	0.9	89	28.8		8.0		17.6		94.6		6.6		2.6		6		84				<0.2		0.6	
					Middle	4.6	0.7	91	28.1	28.1	7.9	7.9	18.9	18.9	83.3	83.4	5.9		4.3		6		89				<0.2		0.7	
						4.6	0.7	97	28.1		7.9		18.9		83.4		5.9		4.2		5		89				<0.2		0.7	
					Bottom	8.1	0.5	90	27.1	27.1	7.9	7.9	22.9	22.9	70.6	70.6	4.9	4.9	5.7		5		91				<0.2		0.7	
						8.1	0.6	92	27.1		7.9		22.9		70.6		4.9		5.5		6		91				<0.2		0.8	
IM12	Cloudy	Moderate	15:06	9.6	Surface	1.0	0.6	100	28.7	28.7	8.0	8.0	17.6	17.6	93.4	93.3	6.5	6.1	2.7	4.0	7	6	83	87	821448	812055	<0.2	<0.2	0.6	0.6
						1.0	0.6	105	28.7		8.0		17.6		93.1		6.5		2.6		7		84				<0.2		0.6	
					Middle	4.8	0.5	101	28.2	28.2	7.9	7.9	19.1	19.1	80.8	80.7	5.7		4.1		6		88				<0.2		0.6	
						4.8	0.5	107	28.2		7.9		19.1		80.6		5.7		4.0		7		88				<0.2		0.7	
					Bottom	8.6	0.3	86	27.4	27.4	7.9	7.9	22.1	22.1	70.5	70.5	4.9	4.9	5.4		5		90				<0.2		0.6	
						8.6	0.3	92	27.4		7.9		22.1		70.5		4.9		5.6		5		91				<0.2		0.6	
SR1A	Cloudy	Moderate	15:29	5.5	Surface	1.0	-	-	28.9	28.9	8.0	8.0	18.5	18.5	100.2	99.9	7.0	7.0	3.1	3.7	6	5	-	-	819973	812662	-	-	-	-
						1.0	-	-	28.9		8.0		18.6		99.6		6.9		3.1		5		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	28.1	28.1	7.9	7.9	20.4	20.4	84.1	84.1	5.9	5.9	4.4		5		-				-		-	
						4.5	-	-	28.1		7.9		20.4		84.0		5.9		4.5		5		-				-		-	
SR2	Cloudy	Moderate	15:41	5.2	Surface	1.0	0.5	80	28.8	28.8	8.0	8.0	17.5	17.5	96.6	96.6	6.8	6.8	2.2	3.4	5	6	87	88	821466	814154	<0.2	<0.2	0.6	0.7
						1.0	0.5	83	28.8		8.0		17.5		96.5		6.8		2.3		5		86				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	60	28.1	28.1	7.9	7.9	19.4	19.4	83.6	83.6	5.9	5.9	4.6		6		88				<0.2		0.6	
						4.2	0.2	63	28.1		7.9		19.4		83.5		5.9		4.5		7		89				<0.2		0.7	
SR3	Cloudy	Rough	14:27	8.9	Surface	1.0	0.2	47	28.7	28.7	8.0	8.0	17.3	17.3	95.8	95.8	6.7	6.4	3.0	5.5	6	7	-	-	822125	807590	-	-	-	-
						1.0	0.2	48	28.7		8.0		17.3		95.7		6.7		3.1		6		-				-		-	
					Middle	4.5	0.1	157	28.4	28.4	7.9	7.9	17.9	17.9	86.7	86.5	6.1		3.8		8		-				-		-	
						4.5	0.1	168	28.4		7.9		17.9		86.2		6.1		3.9		7		-				-		-	
					Bottom	7.9	0.1	173	27.9	27.9	7.9	7.9	20.2	20.2	74.4	74.3	5.2	5.2	9.6		7		-				-		-	
						7.9	0.1	189	27.9		7.9		20.2		74.2		5.2		9.6		8		-				-		-	
SR4A	Cloudy	Moderate	15:45	7.7	Surface	1.0	0.4	246	29.1	29.1	8.1	8.1	17.6	17.6	109.2	108.8	7.6	5.9	5.2	10.5	6	7	-	-	817199	807829	-	-	-	-
						1.0	0.5	266	29.1		8.1		17.6		108.4		7.6		5.2		6		-				-		-	
					Middle	3.9	0.0	142	26.5	26.5	7.9	7.9	25.4	25.4	59.4	59.4	4.1		10.3		7		-				-		-	
						3.9	0.0	153	26.4		7.9		25.4		59.4		4.2		10.4		8		-				-		-	
					Bottom	6.7	0.0	58	26.0	26.0	7.9	7.9	27.5	27.5	60.9	61.1	4.2	4.3	15.9		8		-				-		-	
						6.7	0.0	61	26.0		7.9		27.5		61.2		4.3		16.0		8		-				-		-	
SR5A	Cloudy	Moderate	16:04	3.4	Surface	1.0	0.2	312	28.9	28.9	8.2	8.2	18.1	18.1	113.4	113.3	7.9	7.9	6.9	9.5	10	10	-	-	816588	810682	-	-	-	-
						1.0	0.2	317	28.9		8.2		18.1		113.2		7.9		7.8		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.1	305	28.9	28.9	8.2	8.2	18.2	18.2	114.4	114.6	8.0	8.0	11.6		9		-				-		-	
						2.4	0.1	335	28.9		8.2		18.2		114.7		8.0		11.8		10		-				-		-	
SR6A	Cloudy	Moderate	16:33	4.6	Surface	1.0	0.1	26	29.2	29.2	8.2	8.2	18.6	18.6	111.4	111.5	7.7	7.7	8.7	9.1	12	10	-	-	817946	814729	-	-	-	-
						1.0	0.1	26	29.2		8.2		18.6		111.5		7.7		8.7		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	231	27.8	27.8	8.0	8.0	20.9	20.9	86.7	87.0	6.1	6.1	9.5		9		-				-		-	
						3.6	0.0	248	27.8		8.0		20.9		87.3		6.1		9.6		8		-				-		-	
SR7	Cloudy	Moderate	16:28	16.0	Surface	1.0	0.6	110	28.7	28.7	8.0	8.0	18.0	18.0	101.3	101.3	7.1	6.9	2.0	2.1	7	6	-	-	823626	823737	-	-	-	-
						1.0	0.7	115	28.7		8.0		18.1		101.2		7.1		2.0		7		-				-		-	
					Middle	8.0	0.2	70	28.3	28.3	8.0	8.0	19.3	19.3	95.7	95.7	6.7		2.0		6		-				-		-	
						8.0	0.3	76	28.3		8.0		19.3		95.6		6.7		2.0		6		-				-		-	
					Bottom	15.0	0.2	58	28.1	28.1	8.0	8.0	20.0	20.0	93.4	93.4	6.5	6.5	2.1		4		-				-		-	
						15.0	0.2	62	28.1		8.0		20.0		93.4		6.5		2.2		4		-				-		-	
SR8	Cloudy	Moderate	15:17	4.9	Surface	1.0	-	-	28.9	28.9	7.9	7.9	19.0	19.0	89.8	89.8	6.2	6.2	5.9	10.5	4	5	-	-	820390	811601	-	-	-	-
						1.0	-	-	28.8		7.9		19.0		89.7		6.2		5.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	28.2	28.2	7.9	7.9	19.6	19.6	82.2	82.2	5.8	5.8	14.9		5		-				-		-	
						3.9	-	-	28.2		7.9		19.6		82.1		5.7		15.1		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	08:59	8.8	Surface	1.0	0.7	40	28.4	28.4	8.0	8.0	16.5	16.5	92.0	92.0	6.5	6.2	6.7	10.6	6	7	82	88	815637	804241	<0.2	<0.2	1.0	0.9
						1.0	0.7	43	28.3		8.0		16.5		91.9		6.5		6.7		7		83				<0.2		0.9	
					Middle	4.4	0.4	23	28.1	28.1	8.0	8.0	18.5	18.4	83.1	83.0	5.9		6.8		7		88				<0.2		0.9	
						4.4	0.4	24	28.1		8.0		18.4		82.9		5.8		6.8		7		90				<0.2		0.9	
					Bottom	7.8	0.3	8	26.8	26.8	7.9	7.9	24.3	24.3	63.2	64.8	4.4	4.5	18.4		7		90				<0.2		0.8	
						7.8	0.3	8	26.8		7.9		24.2		66.4		4.6		18.2		8		92				<0.2		0.7	
C2	Cloudy	Rough	09:27	12.5	Surface	1.0	0.7	19	28.8	28.8	7.9	7.9	12.2	12.2	94.0	94.0	6.8	6.4	4.6	5.1	5	6	84	87	825672	806924	<0.2	<0.2	0.8	0.9
						1.0	0.8	19	28.8		7.9		12.2		93.9		6.8		4.6		5		84				<0.2		0.7	
					Middle	6.3	0.7	354	28.5	28.5	7.9	7.9	17.6	17.3	83.9	84.0	5.9		4.6		6		87				<0.2		0.9	
						6.3	0.7	326	28.5		7.9		17.0		84.0		5.9		4.6		4		87				<0.2		1.0	
					Bottom	11.5	0.4	342	26.8	26.8	7.8	7.8	24.2	24.2	61.3	61.4	4.3	4.3	5.9		7		90				<0.2		1.0	
						11.5	0.4	347	26.8		7.8		24.2		61.5		4.3		6.0		6		90				<0.2		1.0	
C3	Cloudy	Moderate	07:37	12.4	Surface	1.0	0.3	263	28.5	28.5	7.9	7.9	16.9	16.9	86.8	86.8	6.1	5.9	3.1	3.6	8	7	84	88	822096	817789	<0.2	<0.2	1.0	1.0
						1.0	0.3	263	28.4		7.9		17.0		86.8		6.1		3.2		8		84				<0.2		1.0	
					Middle	6.2	0.4	247	27.9	27.9	7.9	7.9	20.6	20.6	80.5	80.4	5.6		3.3		7		88				<0.2		1.0	
						6.2	0.4	268	27.9		7.9		20.5		80.3		5.6		3.3		6		87				<0.2		0.9	
					Bottom	11.4	0.3	250	26.4	26.4	7.9	7.9	25.7	25.7	70.8	70.9	4.9	5.0	4.5		6		91				<0.2		1.0	
						11.4	0.3	251	26.4		7.9		25.7		71.0		5.0		4.5		7		91				<0.2		1.0	
IM1	Cloudy	Rough	09:18	5.0	Surface	1.0	0.0	85	28.4	28.4	8.0	8.0	17.2	17.2	96.0	96.0	6.8	6.8	6.6	7.9	7	8	85	87	817945	807136	<0.2	<0.2	1.0	1.0
						1.0	0.0	90	28.4		8.0		17.2		96.0		6.8		6.6		8		85				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	130	28.4	28.4	8.0	8.0	17.3	17.3	94.6	94.6	6.7	6.7	9.2		8		90				<0.2		1.0	
						4.0	0.0	137	28.4		8.0		17.3		94.6		6.7		9.3		8		89				<0.2		1.0	
IM2	Cloudy	Rough	09:27	6.9	Surface	1.0	0.4	21	28.4	28.4	8.0	8.0	17.4	17.4	94.6	94.5	6.7	6.7	6.3	7.1	6	7	82	86	818162	806151	<0.2	<0.2	0.9	1.0
						1.0	0.4	21	28.4		8.0		17.4		94.3		6.7		6.4		7		82				<0.2		1.0	
					Middle	3.5	0.4	18	28.4	28.4	8.0	8.0	17.5	17.5	93.1	93.1	6.6		7.8		7		86				<0.2		0.9	
						3.5	0.4	19	28.4		8.0		17.6		93.1		6.6		8.1		6		85				<0.2		0.9	
					Bottom	5.9	0.2	353	28.2	28.2	8.0	8.0	17.9	17.9	86.3	86.2	6.1	6.1	7.1		8		90				<0.2		1.1	
						5.9	0.2	325	28.2		8.0		17.9		86.0		6.1		7.0		7		90				<0.2		1.0	
IM3	Cloudy	Rough	09:34	7.7	Surface	1.0	0.4	1	28.3	28.3	8.0	8.0	16.8	16.9	92.5	92.4	6.6	6.4	6.3	7.8	6	6	84	87	818795	805610	<0.2	<0.2	1.0	1.0
						1.0	0.5	1	28.3		8.0		16.9		92.2		6.5		6.3		7		83				<0.2		1.0	
					Middle	3.9	0.3	345	28.2	28.2	8.0	8.0	17.3	17.3	89.3	89.2	6.3		6.8		6		86				<0.2		1.0	
						3.9	0.4	353	28.1		8.0		17.3		89.1		6.3		7.3		6		87				<0.2		1.0	
					Bottom	6.7	0.3	279	27.4	27.4	8.0	8.0	18.3	18.9	80.4	77.6	5.7	5.5	9.9		6		90				<0.2		1.0	
						6.7	0.3	289	27.3		8.0		19.4		74.7		5.3		10.0		6		91				<0.2		1.0	
IM4	Cloudy	Rough	09:42	8.5	Surface	1.0	0.8	4	28.4	28.4	8.0	8.0	16.5	16.5	94.4	94.4	6.7	6.5	5.5	9.2	6	5	83	88	819709	804615	<0.2	<0.2	0.9	0.9
						1.0	0.9	4	28.4		8.0		16.5		94.4		6.7		5.6		5		82				<0.2		0.9	
					Middle	4.3	0.7	348	28.1	28.1	8.0	8.0	17.5	17.5	89.3	89.3	6.3		6.7		5		88				<0.2		0.9	
						4.3	0.7	350	28.0		8.0		17.5		89.3		6.3		6.7		5		88				<0.2		0.9	
					Bottom	7.5	0.5	330	27.4	27.4	8.0	8.0	19.8	20.8	79.1	79.1	5.6	5.6	15.5		5		92				<0.2		0.9	
						7.5	0.5	351	27.3		8.0		21.9		79.0		5.5		15.3		5		92				<0.2		0.9	
IM5	Cloudy	Moderate	09:48	8.0	Surface	1.0	1.0	7	28.2	28.2	8.0	8.0	16.2	16.2	91.7	91.6	6.5	6.5	6.4	8.2	6	6	87	90	820727	804876	<0.2	<0.2	0.9	0.9
						1.0	1.1	7	28.2		8.0		16.2		91.4		6.5		6.6		6		87				<0.2		0.9	
					Middle	4.0	1.0	1	28.2	28.2	8.0	8.0	17.2	17.2	89.9	89.9	6.4		7.5		6		91				<0.2		0.9	
						4.0	1.0	1	28.2		8.0		17.2		89.9		6.4		7.4		6		91				<0.2		0.9	
					Bottom	7.0	0.5	15	27.7	27.7	8.0	8.0	20.3	20.2	82.8	83.0	5.8	5.8	10.7		6		92				<0.2		0.9	
						7.0	0.5	16	27.7		8.0		20.2		83.1		5.8		10.7		6		92				<0.2		1.0	
IM6	Cloudy	Moderate	09:55	7.8	Surface	1.0	0.2	273	28.5	28.5	8.0	8.0	17.8	17.8	94.6	94.6	6.7	6.3	6.6	10.4	6	8	87	90	821045	805839	<0.2	<0.2	1.0	1.0
						1.0	0.2	295	28.5		8.0		17.8		94.5		6.6		6.9		6		88				<0.2		0.9	
					Middle	3.9	0.1	242	27.9	27.9	8.0	8.0	18.8	18.8	85.5	85.5	6.0		11.1		8		91				<0.2		1.0	
						3.9	0.1	245	27.8		8.0		18.8		85.4		6.0		11.0		8		91				<0.2		1.0	
					Bottom	6.8	0.1	72	27.2	27.2	8.0	8.0	21.9	21.9	75.6	75.4	5.3	5.3	13.3		10		91				<0.2		1.0	
						6.8	0.1	75	27.2		8.0		22.0		75.2		5.3		13.3		9		92				<0.2		0.9	
IM7	Cloudy	Moderate	10:04	8.8	Surface	1.0	0.1	9	28.6	28.6	8.0	8.0	17.1	17.2	95.8	95.8	6.7	6.5	5.6	7.1	8	8	87	88	821367	806842	<0.2	<0.2	0.9	0.9
						1.0	0.1	9	28.6		8.0		17.2		95.7		6.7		5.7		7		87				<0.2		0.9	
					Middle	4.4	0.1	292	28.5	28.5	8.0	8.0	17.4	17.4	89.8	89.9	6.3		6.0		8		88				<0.2		1.0	
						4.4	0.1	309	28.5		8.0		17.4		90.0		6.3		6.3		8		88				<0.2		0.9	
					Bottom	7.8	0.1	74	28.5	28.6	8.0	8.0	18.6	18.5	86.5	86.7	6.1	6.1	9.5		9		90				<0.2		1.0	
						7.8	0.1	74	28.6		8.0		18.5		86.8		6.1		9.5		8		90				<0.2		0.9	
IM8	Cloudy	Moderate	09:00	8.3	Surface	1.0	0.1	7	28.6	28.6	7.9	7.9	15.9	15.9	88.3	88.2	6.3	6.1	4.1	5.4	6	6	83	87	821850	808126	<0.2	<0.2	1.0	1.0
						1.0	0.1	7	28.6		7.9		15.9		88.1		6.2		4.1		7		84				<0.2		1.0	
					Middle	4.2	0.2	251	28.5	28.5	7.9	7.9	16.7	16.7	83.6	83.5	5.9		4.2		6		87				<0.2		1.0	
						4.2	0.2	272	28.5		7.9		16.7		83.4		5.9		4.3		5		87				<0.2		1.0	
					Bottom	7.3	0.2	265	28.4	28.4	7.9	7.9	17.9	17.9	81.1	81.2	5.7	5.7	7.9		5		90				<0.2		0.9	
						7.3	0.2	268	28.4		7.9		17.9		81.2		5.7		7.8		5		90				<0.2		0.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	08:53	8.4	Surface	1.0	0.2	269	28.6	28.6	7.9	7.9	15.7	15.7	89.6	89.6	6.4	6.3	4.4	4.9	5	5	84	87	822100	808822	<0.2	<0.2	1.0	1.0
						1.0	0.2	277	28.6		7.9		15.7		89.6		6.4		4.3		6		83				<0.2		1.0	
					Middle	4.2	0.3	254	28.6	28.6	7.9	7.9	17.0	17.0	88.2	88.2	6.2		4.3		6		87				<0.2		1.0	
						4.2	0.3	272	28.6		7.9		17.0		88.1		6.2		4.4		5		86				<0.2		0.9	
					Bottom	7.4	0.4	270	28.5	28.5	7.9	7.9	17.6	17.6	83.8	83.9	5.9	5.9	5.9		5		90				<0.2		1.0	
						7.4	0.4	283	28.5		7.9		17.6		83.9		5.9		6.0		5		90				<0.2		0.9	
IM10	Cloudy	Moderate	08:46	8.2	Surface	1.0	0.3	322	28.6	28.6	7.9	7.9	16.4	16.4	88.7	88.7	6.3	6.1	4.7	5.0	7	6	84	87	822394	809776	<0.2	<0.2	1.0	1.0
						1.0	0.3	351	28.6		7.9		16.4		88.7		6.3		4.8		7		84				<0.2		1.0	
					Middle	4.1	0.5	306	28.5	28.5	7.9	7.9	17.1	17.1	84.1	84.1	5.9		5.0		6		87				<0.2		0.9	
						4.1	0.5	325	28.5		7.9		17.1		84.1		5.9		5.0		7		86				<0.2		0.9	
					Bottom	7.2	0.4	302	28.2	28.2	7.9	7.9	18.7	18.7	78.2	78.3	5.5	5.5	5.3		5		89				<0.2		1.0	
						7.2	0.4	328	28.2		7.9		18.6		78.4		5.5		5.1		6		90				<0.2		1.0	
IM11	Cloudy	Moderate	08:35	8.3	Surface	1.0	0.3	319	28.6	28.6	7.9	7.9	16.2	16.2	87.0	86.8	6.2	6.0	4.3	4.9	6	6	83	86	822048	811456	<0.2	<0.2	1.0	0.9
						1.0	0.4	319	28.6		7.9		16.2		86.5		6.1		4.4		6		84				<0.2		0.9	
					Middle	4.2	0.4	303	28.5	28.5	7.9	7.9	17.2	17.2	82.6	82.6	5.8		4.7		6		86				<0.2		0.9	
						4.2	0.4	303	28.5		7.9		17.1		82.6		5.8		4.8		6		87				<0.2		1.0	
					Bottom	7.3	0.3	291	27.6	27.6	7.9	7.9	21.6	21.6	72.6	72.7	5.1	5.1	5.5		5		89				<0.2		0.9	
						7.3	0.3	292	27.6		7.9		21.6		72.7		5.1		5.5		6		89				<0.2		0.9	
IM12	Cloudy	Moderate	08:29	9.0	Surface	1.0	0.4	301	28.7	28.7	7.9	7.9	15.8	15.8	85.8	85.8	6.1	5.7	3.8	4.7	6	6	84	87	821446	812032	<0.2	0.2	0.9	0.9
						1.0	0.4	329	28.7		7.9		15.8		85.7		6.1		3.9		6		83				<0.2		0.9	
					Middle	4.5	0.4	303	28.2	28.2	7.9	7.9	18.8	18.8	76.3	76.1	5.4		4.5		6		87				<0.2		1.0	
						4.5	0.5	309	28.2		7.9		18.8		75.9		5.3		4.5		6		87				<0.2		0.9	
					Bottom	8.0	0.4	300	26.6	26.6	7.9	7.9	25.0	25.0	65.0	65.0	4.5	4.5	5.8		6		90				0.2		0.9	
						8.0	0.4	311	26.6		7.9		25.0		64.9		4.5		6.1		5		90				<0.2		0.9	
SR1A	Cloudy	Moderate	08:11	5.1	Surface	1.0	-	-	28.6	28.6	7.9	7.9	16.4	16.4	88.2	88.2	6.2	6.2	3.4	4.3	7	6	-	-	819978	812664	-	-	-	-
						1.0	-	-	28.6		7.9		16.4		88.1		6.2		3.5		7		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.6	28.6	7.9	7.9	16.8	16.8	86.1	86.1	6.1	6.1	5.2		6		-				-		-	
						4.1	-	-	28.6		7.9		16.8		86.0		6.1		5.2		5		-				-		-	
SR2	Cloudy	Moderate	07:58	4.5	Surface	1.0	0.1	246	28.7	28.7	7.9	7.9	15.5	15.5	87.9	87.9	6.2	6.2	3.5	6.4	7	7	86	87	821480	814144	<0.2	<0.2	1.0	1.0
						1.0	0.1	262	28.7		7.9		15.5		87.8		6.2		3.7		8		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	280	28.5	28.5	7.9	7.9	17.5	17.6	83.0	83.1	5.9	5.9	9.2		6		88				<0.2		0.9	
						3.5	0.1	288	28.4		7.9		17.6		83.1		5.9		9.1		6		88				<0.2		0.9	
SR3	Cloudy	Moderate	09:08	9.7	Surface	1.0	0.2	4	28.6	28.6	7.9	7.9	16.4	16.4	87.6	87.6	6.2	6.1	4.0	4.2	6	6	-	-	822139	807552	-	-	-	-
						1.0	0.2	4	28.6		7.9		16.4		87.5		6.2		4.0		7		-				-		-	
					Middle	4.9	0.1	326	28.5	28.5	7.9	7.9	17.2	17.2	84.2	84.3	5.9		3.6		6		-				-		-	
						4.9	0.1	346	28.5		7.9		17.2		84.3		5.9		3.7		6		-				-		-	
					Bottom	8.7	0.1	331	27.8	27.8	7.9	7.9	20.7	20.7	73.0	73.1	5.1	5.1	5.0		5		-				-		-	
						8.7	0.1	336	27.8		7.9		20.7		73.2		5.1		4.7		5		-				-		-	
SR4A	Cloudy	Moderate	08:35	9.1	Surface	1.0	0.2	255	28.4	28.4	8.0	8.0	17.2	17.2	89.9	89.8	6.4	5.7	6.4	10.3	6	7	-	-	817202	807803	-	-	-	-
						1.0	0.3	272	28.4		8.0		17.2		89.7		6.3		6.7		6		-				-		-	
					Middle	4.6	0.1	255	27.6	27.6	7.9	7.9	21.4	21.4	71.8	71.9	5.0		11.6		8		-				-		-	
						4.6	0.1	272	27.6		7.9		21.3		71.9		5.0		11.9		8		-				-		-	
					Bottom	8.1	0.1	34	26.7	26.7	7.9	7.9	25.1	25.0	64.3	64.5	4.5	4.5	12.8		8		-				-		-	
						8.1	0.1	36	26.7		7.9		25.0		64.7		4.5		12.7		8		-				-		-	
SR5A	Cloudy	Moderate	08:19	3.2	Surface	1.0	0.2	274	28.4	28.4	8.0	8.0	18.1	18.1	91.5	91.5	6.4	6.4	7.4	9.2	9	8	-	-	816582	810692	-	-	-	-
						1.0	0.2	282	28.4		8.0		18.1		91.4		6.4		7.7		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.2	276	28.5	28.5	8.0	8.0	18.7	18.7	89.9	89.9	6.3	6.3	10.8		7		-				-		-	
						2.2	0.2	297	28.5		8.0		18.7		89.9		6.3		11.0		8		-				-		-	
SR6A	Cloudy	Moderate	07:53	3.9	Surface	1.0	0.1	251	28.5	28.5	7.9	7.9	17.3	17.3	91.3	91.3	6.4	6.4	5.2	7.5	5	5	-	-	817942	814730	-	-	-	-
						1.0	0.1	268	28.5		7.9		17.3		91.3		6.4		5.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	339	28.5	28.5	7.8	7.8	18.5	18.5	89.3	89.5	6.3	6.3	9.9		4		-				-		-	
						2.9	0.0	358	28.5		7.8		18.5		89.7		6.3		9.8		4		-				-		-	
SR7	Cloudy	Moderate	07:07	15.6	Surface	1.0	0.3	48	28.4	28.4	7.9	7.9	17.7	17.7	88.1	88.1	6.2	6.1	2.4	2.7	7	7	-	-	823619	823749	-	-	-	-
						1.0	0.3	52	28.4		7.9		17.7		88.1		6.2		2.4		7		-				-		-	
					Middle	7.8	0.1	75	28.1	28.1	7.9	7.9	18.8	18.8	84.2	84.2	5.9		2.5		7		-				-		-	
						7.8	0.1	80	28.0		7.9		18.8		84.1		5.9		2.4		8		-				-		-	
					Bottom	14.6	0.2	192	25.2	25.2	7.8	7.8	29.5	29.5	65.5	65.6	4.6	4.6	3.2		6		-				-		-	
						14.6	0.2	202	25.2		7.8		29.5		65.6		4.6		3.2		8		-				-		-	
SR8	Cloudy	Moderate	08:21	4.7	Surface	1.0	-	-	29.1	29.1	7.9	7.9	17.2	17.2	86.3	86.3	6.0	6.0	4.1	5.2	6	8	-	-	820403	811612	-	-	-	-
						1.0	-	-	29.1		7.9		17.2		86.3		6.0		4.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	29.0	29.0	7.9	7.9	17.2	17.2	85.8	85.8	6.0	6.0	6.2		9		-				-		-	
						3.7	-	-	29.0		7.9		17.2		85.7		6.0		6.4		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	16:30	8.1	Surface	1.0	0.4	226	29.0	29.0	8.2	8.2	18.7	18.7	132.9	132.8	9.2	8.2	4.0	6.0	4	5	87	89	815596	804230	<0.2	<0.2	0.9	1.0
						1.0	0.4	247	29.0		8.2		18.7		132.6		9.2		4.0		6		86				<0.2		1.0	
					Middle	4.1	0.5	209	28.3	28.3	8.1	8.1	19.7	19.7	102.4	102.5	7.2		4.4		5		89				<0.2		1.0	
						4.1	0.5	213	28.3		8.1		19.7		102.6		7.2		4.4		6		89				<0.2		0.9	
					Bottom	7.1	0.4	220	24.8	24.8	8.0	8.0	30.8	30.8	57.4	57.5	4.0	4.0	9.6		6		91				<0.2		1.0	
						7.1	0.4	228	24.8		8.0		30.8		57.5		4.0		9.6		5		91				<0.2		1.0	
C2	Cloudy	Moderate	15:24	11.5	Surface	1.0	0.2	135	29.7	29.7	8.1	8.1	15.7	15.7	108.5	107.6	7.6	6.5	2.7	5.3	5	4	86	88	825663	806929	<0.2	<0.2	0.9	1.0
						1.0	0.2	147	29.7		8.1		15.7		106.6		7.4		2.7		4		86				<0.2		1.0	
					Middle	5.8	0.5	154	27.4	27.4	7.8	7.8	21.8	21.8	77.0	76.9	5.4		2.5		4		88				<0.2		1.0	
						5.8	0.5	167	27.4		7.8		21.8		76.7		5.4		2.6		4		87				<0.2		1.0	
					Bottom	10.5	0.5	144	25.2	25.2	7.8	7.8	29.2	29.2	60.4	60.5	4.2	4.2	11.0		4		90				<0.2		1.0	
						10.5	0.5	158	25.2		7.8		29.2		60.6		4.2		10.1		3		90				<0.2		1.0	
C3	Cloudy	Moderate	17:08	11.2	Surface	1.0	0.4	286	29.1	29.0	8.2	8.2	20.7	20.8	137.9	137.7	9.4	8.1	2.5	3.2	4	5	86	89	822130	817813	<0.2	<0.2	0.9	0.9
						1.0	0.4	294	28.9		8.3		20.8		137.4		9.4		2.6		5		88				<0.2		0.9	
					Middle	5.6	0.2	257	27.9	27.9	8.0	8.0	24.2	24.1	99.4	99.3	6.8		3.0		4		88				<0.2		0.9	
						5.6	0.2	257	27.9		8.0		24.0		99.2		6.8		3.0		5		89				<0.2		0.9	
					Bottom	10.2	0.1	120	26.0	26.0	7.9	7.9	28.8	28.8	78.5	78.8	5.4	5.4	4.0		6		90				<0.2		0.9	
						10.2	0.1	131	26.0		7.9		28.8		79.1		5.4		4.1		5		90				<0.2		0.9	
IM1	Fine	Moderate	16:09	4.9	Surface	1.0	0.2	169	29.3	29.3	8.1	8.1	18.3	18.3	138.6	138.5	9.6	9.6	4.2	6.5	4	4	87	88	817946	807140	<0.2	<0.2	0.9	0.9
						1.0	0.2	169	29.3		8.1		18.3		138.3		9.6		4.2		5		88				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	197	26.0	26.0	8.0	8.0	27.0	27.0	64.7	64.8	4.5	4.5	8.9		4		89				<0.2		0.9	
						3.9	0.1	205	26.0		8.0		27.0		64.9		4.5		8.8		4		89				<0.2		0.9	
IM2	Fine	Moderate	16:01	7.0	Surface	1.0	0.2	190	29.2	29.2	8.1	8.1	18.4	18.4	138.4	138.4	9.6	7.4	3.9	6.4	5	5	85	88	818154	806171	<0.2	<0.2	0.9	0.9
						1.0	0.2	194	29.2		8.1		18.4		138.3		9.6		4.0		5		86				<0.2		0.9	
					Middle	3.5	0.2	152	26.9	26.9	8.0	8.0	23.9	23.9	73.5	73.5	5.1		5.9		5		88				<0.2		0.9	
						3.5	0.3	166	26.9		8.0		23.9		73.5		5.1		5.9		6		89				<0.2		0.9	
					Bottom	6.0	0.2	116	25.5	25.5	8.0	8.0	28.8	28.8	63.8	64.0	4.4	4.5	9.4		6		90				<0.2		0.9	
						6.0	0.2	127	25.5		8.0		28.8		64.2		4.5		9.5		5		90				<0.2		0.9	
IM3	Fine	Moderate	15:54	7.3	Surface	1.0	0.1	72	29.1	29.1	8.1	8.1	18.5	18.5	132.0	131.8	9.2	7.6	4.1	6.2	6	6	86	88	818782	805571	<0.2	<0.2	0.9	0.9
						1.0	0.1	77	29.1		8.1		18.5		131.6		9.1		4.2		4		86				<0.2		0.9	
					Middle	3.7	0.2	119	27.4	27.4	8.0	8.0	22.5	22.5	85.9	86.1	6.0		5.8		6		88				<0.2		0.9	
						3.7	0.2	127	27.4		8.0		22.5		86.2		6.0		5.8		6		88				<0.2		0.9	
					Bottom	6.3	0.4	130	25.6	25.6	8.0	8.0	28.5	28.5	64.4	64.6	4.5	4.5	8.8		6		89				<0.2		0.9	
						6.3	0.4	134	25.6		8.0		28.5		64.7		4.5		8.6		7		90				<0.2		0.9	
IM4	Fine	Moderate	15:44	8.2	Surface	1.0	0.7	200	28.8	28.8	8.2	8.2	18.5	18.5	110.3	110.5	7.7	6.5	4.7	7.9	5	5	85	88	819717	804587	<0.2	<0.2	0.9	0.9
						1.0	0.8	219	28.8		8.2		18.4		110.6		7.7		4.7		5		85				<0.2		1.0	
					Middle	4.1	0.6	175	26.8	26.8	8.0	8.0	24.2	24.2	76.0	76.0	5.3		6.2		5		88				<0.2		1.0	
						4.1	0.6	186	26.8		8.0		24.2		76.0		5.3		6.3		5		89				<0.2		0.9	
					Bottom	7.2	0.2	161	25.5	25.5	8.0	8.0	28.5	28.5	62.2	62.3	4.3	4.3	12.8		4		90				<0.2		0.9	
						7.2	0.3	173	25.5		8.0		28.5		62.4		4.3		12.9		5		90				<0.2		0.9	
IM5	Fine	Moderate	15:37	7.8	Surface	1.0	0.6	214	29.5	29.5	8.1	8.1	17.9	17.9	132.2	132.0	9.1	7.4	3.9	6.7	5	5	85	88	820733	804856	<0.2	<0.2	1.0	1.0
						1.0	0.7	218	29.5		8.1		17.9		131.8		9.1		3.9		4		86				<0.2		1.0	
					Middle	3.9	0.5	214	27.1	27.1	8.0	8.0	23.0	23.0	82.2	82.1	5.8		6.1		6		88				<0.2		1.0	
						3.9	0.5	229	27.1		8.0		23.0		82.0		5.7		6.3		5		87				<0.2		1.0	
					Bottom	6.8	0.4	195	26.2	26.2	8.0	8.0	26.4	26.4	65.7	65.8	4.6	4.6	10.1		6		90				<0.2		1.0	
						6.8	0.4	198	26.2		8.0		26.4		65.9		4.6		10.1		5		90				<0.2		1.0	
IM6	Fine	Moderate	15:29	7.3	Surface	1.0	0.4	216	29.5	29.5	8.2	8.2	17.7	17.7	133.6	133.6	9.2	8.7	3.9	6.2	6	6	86	88	821052	805828	<0.2	<0.2	1.0	1.0
						1.0	0.4	224	29.5		8.2		17.7		133.5		9.2		4.0		6		86				<0.2		0.9	
					Middle	3.7	0.3	235	28.9	28.9	8.1	8.1	18.8	18.8	118.6	118.8	8.2		5.4		6		88				<0.2		1.0	
						3.7	0.3	240	28.9		8.1		18.8		118.9		8.3		5.4		6		88				<0.2		1.0	
					Bottom	6.3	0.3	209	26.7	26.7	8.0	8.0	24.7	24.7	73.7	73.8	5.1	5.1	9.3		6		90				<0.2		0.9	
						6.3	0.3	219	26.7		8.0		24.7		73.8		5.1		9.4		4		90				<0.2		1.0	
IM7	Fine	Moderate	15:22	8.7	Surface	1.0	0.2	223	28.7	28.7	8.2	8.2	17.5	17.5	112.2	112.0	7.9	7.1	4.0	5.2	5	5	86	88	821352	806846	<0.2	<0.2	1.0	1.0
						1.0	0.2	236	28.7		8.2		17.5		111.7		7.8		4.0		6		86				<0.2		1.0	
					Middle	4.4	0.2	240	28.3	28.3	8.0	8.0	19.2	19.2	89.2	89.1	6.3		4.4		4		88				<0.2		1.0	
						4.4	0.2	251	28.3		8.0		19.2		89.0		6.2		4.7		5		88				<0.2		1.0	
					Bottom	7.7	0.2	246	26.4	26.4	8.0	8.0	26.1	26.1	69.4	69.5	4.8	4.8	7.0		4		90				<0.2		1.0	
						7.7	0.2	249	26.4		8.0		26.1		69.5		4.8		7.2		5		90				<0.2		1.0	
IM8	Cloudy	Moderate	15:52	7.6	Surface	1.0	0.2	55	29.0	29.0	8.1	8.1	18.2	18.2	117.5	116.9	8.1	7.2	2.7	4.6	4	4	86	88	821833	808122	<0.2	<0.2	0.9	1.0
						1.0	0.2	57	28.9		8.1		18.2		116.3		8.1		2.7		3		86				<0.2		1.0	
					Middle	3.8	0.2	136	27.8	27.8	7.9	7.9	18.7	18.7	88.7	88.2	6.3		4.6		3		88				<0.2		0.9	
						3.8	0.2	147	27.7		7.9		18.7		87.7		6.2		5.1		4		87				<0.2		1.0	
					Bottom	6.6	0.1	126	27.5	27.5	7.9	7.9	19.9	19.9	77.4	77.7	5.5	5.5	6.1		5		90				<0.2		1.0	
						6.6	0.2	131	27.5		7.9		19.9		77.9		5.5		6.3		4		90				<0.2		0.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	15:57	7.2	Surface	1.0	0.2	75	29.1	29.1	8.1	8.1	18.2	18.2	117.1	116.9	8.1	7.3	2.6	4.7	5	5	86	88	822080	808817	<0.2	<0.2	1.0	1.0
						1.0	0.2	77	29.1		8.1		18.2		116.7		8.1		2.7		4		86				<0.2		1.0	
					Middle	3.6	0.2	105	28.1	28.1	7.9	7.9	18.4	18.4	92.3	92.3	6.5		4.6		4		88				<0.2		1.0	
						3.6	0.2	111	28.0		7.9		18.4		92.3		6.5		4.8		5		87				<0.2		1.0	
					Bottom	6.2	0.2	91	27.5	27.5	7.8	7.8	19.8	19.8	77.2	77.4	5.4	5.5	6.7		5		90				<0.2		1.0	
						6.2	0.2	92	27.5		7.9		19.8		77.6		5.5		6.8		5		90				<0.2		1.0	
IM10	Cloudy	Moderate	16:04	6.8	Surface	1.0	0.5	79	29.0	29.0	8.1	8.0	17.9	17.9	116.6	116.2	8.1	7.6	2.4	6.2	4	4	86	89	822407	809784	<0.2	<0.2	1.0	1.0
						1.0	0.5	85	28.9		8.0		17.9		115.7		8.0		2.4		2		87				<0.2		0.9	
					Middle	3.4	0.4	87	28.6	28.6	8.0	8.0	18.0	18.1	101.6	101.4	7.1		4.2		5		88				<0.2		1.0	
						3.4	0.4	88	28.6		8.0		18.1		101.1		7.1		4.1		4		89				<0.2		1.0	
					Bottom	5.8	0.3	107	27.1	27.1	7.8	7.8	20.5	20.5	70.0	70.2	4.9	5.0	12.0		5		91				<0.2		1.0	
						5.8	0.3	112	27.1		7.8		20.5		70.3		5.0		12.1		5		91				<0.2		1.0	
IM11	Cloudy	Moderate	16:14	8.0	Surface	1.0	0.6	91	28.5	28.4	8.1	8.1	18.1	18.1	106.5	105.1	7.4	6.5	4.0	6.0	4	4	87	89	822064	811463	<0.2	<0.2	1.0	1.0
						1.0	0.6	92	28.3		8.1		18.1		103.6		7.3		4.3		4		86				<0.2		0.9	
					Middle	4.0	0.4	83	27.9	28.0	7.8	7.8	19.5	19.5	81.2	81.6	5.7		6.1		4		89				<0.2		1.0	
						4.0	0.4	83	28.0		7.8		19.4		81.9		5.7		6.3		5		89				<0.2		1.0	
					Bottom	7.0	0.2	124	26.8	26.8	7.8	7.8	23.5	23.5	71.0	71.2	5.0	5.0	7.5		4		91				<0.2		1.0	
						7.0	0.2	130	26.8		7.8		23.5		71.4		5.0		7.5		5		90				<0.2		1.0	
IM12	Cloudy	Moderate	16:19	9.2	Surface	1.0	0.5	118	28.6	28.6	8.1	8.1	18.2	18.2	111.4	110.9	7.8	6.6	4.0	5.6	5	5	86	89	821439	812054	<0.2	<0.2	0.9	1.0
						1.0	0.6	129	28.5		8.1		18.2		110.3		7.7		4.4		5		87				<0.2		1.0	
					Middle	4.6	0.4	109	27.8	27.8	7.9	7.9	19.7	19.7	78.3	78.1	5.5		6.1		6		89				<0.2		0.9	
						4.6	0.5	111	27.8		7.9		19.7		77.9		5.5		6.1		5		90				<0.2		1.0	
					Bottom	8.2	0.2	113	26.4	26.5	7.9	7.9	22.7	22.7	70.9	71.3	5.0	5.1	6.4		5		90				<0.2		0.9	
						8.2	0.2	123	26.5		7.9		22.7		71.7		5.1		6.4		5		91				<0.2		1.0	
SR1A	Cloudy	Moderate	16:36	5.0	Surface	1.0	-	-	29.0	29.0	8.2	8.2	19.1	19.1	121.1	120.8	8.3	8.3	3.3	3.6	7	7	-	-	819972	812661	-	-	-	-
						1.0	-	-	28.9		8.2		19.1		120.5		8.3		3.4		6		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	28.5	28.5	8.1	8.0	20.9	20.9	108.4	106.3	7.5	7.4	3.8		8		-				-		-	
						4.0	-	-	28.5		8.0		20.9		104.1		7.2		3.9		7		-				-		-	
SR2	Cloudy	Moderate	16:47	4.0	Surface	1.0	0.3	77	28.8	28.8	8.1	8.1	18.1	18.1	117.0	116.5	8.1	8.1	3.4	3.8	5	5	88	90	821460	814179	<0.2	<0.2	1.0	1.0
						1.0	0.3	79	28.7		8.1		18.1		116.0		8.1		3.6		5		89				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	67	28.5	28.5	8.0	8.0	20.0	20.0	97.7	97.8	6.8	6.8	4.1		5		90				<0.2		1.0	
						3.0	0.1	72	28.5		8.0		20.0		97.9		6.8		4.0		5		91				<0.2		0.9	
SR3	Cloudy	Moderate	15:44	8.4	Surface	1.0	0.1	198	28.9	28.9	8.1	8.1	17.8	17.9	112.4	112.1	7.8	7.1	2.7	5.3	4	4	-	-	822133	807574	-	-	-	-
						1.0	0.1	209	28.8		8.1		17.9		111.7		7.8		2.8		5		-				-		-	
					Middle	4.2	0.4	175	28.1	28.1	7.9	7.9	18.5	18.5	90.8	90.8	6.4		4.6		5		-				-		-	
						4.2	0.4	175	28.0		7.9		18.5		90.7		6.4		5.1		4		-				-		-	
					Bottom	7.4	0.1	196	27.6	27.6	7.8	7.8	20.8	20.8	80.2	80.7	5.6	5.7	8.4		3		-				-		-	
						7.4	0.1	198	27.6		7.8		20.8		81.2		5.7		8.4		4		-				-		-	
SR4A	Fine	Calm	16:52	8.6	Surface	1.0	0.3	255	29.3	29.3	8.1	8.1	18.7	18.7	127.8	128.1	8.8	6.8	7.3	11.2	7	7	-	-	817188	807791	-	-	-	-
						1.0	0.3	263	29.3		8.1		18.7		128.3		8.9		7.9		7		-				-		-	
					Middle	4.3	0.1	45	26.5	26.5	8.0	8.0	25.4	25.5	68.2	68.3	4.8		11.0		7		-				-		-	
						4.3	0.1	45	26.5		8.0		25.5		68.3		4.8		11.2		6		-				-		-	
					Bottom	7.6	0.2	70	26.2	26.2	8.0	8.0	26.6	26.6	59.4	59.5	4.1	4.2	14.9		7		-				-		-	
						7.6	0.2	74	26.2		8.0		26.6		59.6		4.2		15.0		7		-				-		-	
SR5A	Fine	Calm	17:10	3.3	Surface	1.0	0.1	295	29.4	29.4	8.2	8.2	19.1	19.1	134.8	134.7	9.3	9.3	6.8	8.0	6	6	-	-	816577	810673	-	-	-	-
						1.0	0.1	316	29.3		8.2		19.1		134.5		9.3		6.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.1	265	28.9	28.9	8.1	8.1	19.3	19.3	115.1	115.3	8.0	8.0	9.0		7		-				-		-	
						2.3	0.1	266	28.9		8.1		19.3		115.4		8.0		9.1		6		-				-		-	
SR6A	Fine	Calm	17:44	3.8	Surface	1.0	0.0	210	28.3	28.3	8.1	8.1	20.0	20.0	97.9	97.9	6.8	6.8	9.0	9.3	10	10	-	-	817981	814741	-	-	-	-
						1.0	0.0	230	28.3		8.1		20.0		97.9		6.8		9.0		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	245	27.9	27.9	8.1	8.1	20.6	20.6	88.1	88.0	6.2	6.2	9.6		9		-				-		-	
						2.8	0.1	261	27.9		8.1		20.6		87.8		6.1		9.7		9		-				-		-	
SR7	Cloudy	Moderate	17:36	16.5	Surface	1.0	0.6	61	29.2	29.2	8.2	8.2	18.6	18.6	135.8	135.7	9.4	8.9	1.9	2.1	5	5	-	-	823632	823758	-	-	-	-
						1.0	0.7	66	29.1		8.2		18.6		135.5		9.4		2.0		4		-				-		-	
					Middle	8.3	0.2	14	28.8	28.8	8.1	8.1	19.9	19.9	121.3	121.1	8.4		2.0		5		-				-		-	
						8.3	0.2	14	28.8		8.1		19.9		120.9		8.3		2.0		4		-				-		-	
					Bottom	15.5	0.2	55	25.4	25.4	7.9	7.9	20.6	20.6	78.9	79.2	5.7	5.8	2.3		5		-				-		-	
						15.5	0.2	55	25.4		7.9		20.6		79.4		5.8		2.3		5		-				-		-	
SR8	Cloudy	Moderate	16:28	4.9	Surface	1.0	-	-	29.7	29.7	8.0	8.0	19.5	19.6	109.1	109.0	7.4	7.4	5.7	5.7	7	7	-	-	820410	811602	-	-	-	-
						1.0	-	-	29.7		8.0		19.6		108.9		7.4		5.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	29.7	29.7	8.0	8.0	20.1	20.1	107.9	107.9	7.3	7.3	5.6		6		-				-		-	
						3.9	-	-	29.7		8.0		20.1		107.8		7.3		5.8		6		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	10:27	8.3	Surface	1.0	0.3	61	28.1	28.1	8.1	8.1	18.5	18.5	96.0	95.9	6.8	6.0	4.9	5.9	5	6	86	89	815640	804265	<0.2	<0.2	0.9	0.9
						1.0	0.3	63	28.0		8.1		18.6		95.8		6.8		5.0		6		87				<0.2		0.9	
					Middle	4.2	0.3	17	27.3	27.3	8.0	8.0	22.2	22.2	75.1	75.0	5.3		5.6		6		89				<0.2		0.9	
						4.2	0.3	18	27.3		8.0		22.2		74.9		5.2		5.5		7		88				<0.2		0.8	
					Bottom	7.3	0.2	32	25.6	25.6	8.0	8.0	28.1	28.1	63.2	63.3	4.4	4.4	7.2		7		91				<0.2		0.9	
						7.3	0.2	34	25.6		8.0		28.1		63.4		4.4		7.3		6		91				<0.2		0.9	
C2	Cloudy	Moderate	10:58	12.3	Surface	1.0	0.3	350	28.9	28.9	8.0	8.0	14.9	14.9	96.1	96.0	6.8	6.0	2.9	6.8	3	4	86	88	825666	806930	<0.2	<0.2	1.0	1.0
						1.0	0.3	322	28.9		8.0		14.9		95.9		6.8		2.9		4		85				<0.2		1.0	
					Middle	6.2	0.4	28	27.0	27.1	7.9	7.9	22.2	22.2	72.4	72.4	5.1		3.0		2		88				<0.2		1.0	
						6.2	0.4	29	27.1		7.9		22.2		72.4		5.1		3.0		4		88				<0.2		1.0	
					Bottom	11.3	0.4	346	26.3	26.3	7.8	7.8	24.1	24.1	67.6	68.0	4.8	4.8	14.3		5		90				<0.2		1.0	
						11.3	0.4	351	26.2		7.8		24.2		68.3		4.8		14.7		4		90				<0.2		1.0	
C3	Cloudy	Moderate	09:13	12.1	Surface	1.0	0.3	241	28.6	28.6	8.0	8.0	16.7	16.7	95.7	95.7	6.8	6.5	2.5	5.0	5	4	86	88	822132	817818	<0.2	<0.2	1.0	1.0
						1.0	0.3	249	28.5		8.0		16.7		95.6		6.8		2.5		4		85				<0.2		1.0	
					Middle	6.1	0.4	252	27.9	27.9	7.9	7.9	19.7	19.7	87.8	87.8	6.2		2.2		4		88				<0.2		1.0	
						6.1	0.4	257	27.9		7.9		19.7		87.7		6.2		2.2		3		87				<0.2		1.0	
					Bottom	11.1	0.4	266	25.4	25.4	7.9	7.9	28.0	27.9	66.6	66.8	4.7	4.7	10.1		3		90				<0.2		0.9	
						11.1	0.4	290	25.4		7.9		27.9		67.0		4.7		10.7		4		90				<0.2		1.0	
IM1	Fine	Moderate	10:46	5.2	Surface	1.0	0.4	7	28.7	28.7	8.2	8.2	17.9	17.9	109.5	109.4	7.7	7.7	4.5	6.3	6	5	88	89	817952	807150	<0.2	<0.2	0.9	0.9
						1.0	0.4	7	28.7		8.2		17.9		109.3		7.7		4.5		6		87				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.4	342	26.9	26.9	8.0	8.0	24.1	24.0	74.9	75.1	5.2	5.2	8.0		4		90				<0.2		1.0	
						4.2	0.4	351	26.9		8.0		24.0		75.2		5.2		8.0		5		90				<0.2		0.9	
IM2	Fine	Moderate	10:54	7.1	Surface	1.0	0.2	16	28.5	28.5	8.1	8.1	18.8	18.9	101.7	101.7	7.1	6.6	4.8	5.4	5	6	86	88	818154	806167	<0.2	<0.2	0.8	0.9
						1.0	0.2	17	28.4		8.1		18.9		101.6		7.1		4.9		5		86				<0.2		0.9	
					Middle	3.6	0.3	341	27.8	27.8	8.1	8.1	20.4	20.4	86.0	85.9	6.0		5.2		6		88				<0.2		0.9	
						3.6	0.3	314	27.8		8.1		20.4		85.7		6.0		5.2		6		88				<0.2		0.9	
					Bottom	6.1	0.3	335	25.7	25.7	8.0	8.0	28.0	28.0	65.0	65.1	4.5	4.5	6.1		6		90				<0.2		0.8	
						6.1	0.4	337	25.7		8.0		28.0		65.1		4.5		6.5		6		91				<0.2		0.9	
IM3	Fine	Moderate	11:01	7.4	Surface	1.0	0.2	335	28.6	28.6	8.1	8.1	18.5	18.5	101.8	101.7	7.1	6.2	5.1	7.2	5	5	85	88	818781	805610	<0.2	<0.2	0.9	0.9
						1.0	0.3	353	28.6		8.1		18.5		101.6		7.1		5.2		5		86				<0.2		0.8	
					Middle	3.7	0.4	330	27.2	27.2	8.0	8.0	22.7	22.7	74.2	74.3	5.2		5.6		5		87				<0.2		0.9	
						3.7	0.4	304	27.2		8.0		22.8		74.3		5.2		5.6		5		87				<0.2		0.9	
					Bottom	6.4	0.3	333	25.5	25.5	8.0	8.0	28.6	28.5	61.6	61.7	4.3	4.3	10.9		4		90				<0.2		1.0	
						6.4	0.3	357	25.5		8.0		28.5		61.7		4.3		10.7		4		90				<0.2		1.0	
IM4	Fine	Moderate	11:11	8.3	Surface	1.0	0.4	359	29.0	29.0	8.1	8.1	17.3	17.3	103.9	103.8	7.3	6.2	4.5	8.1	4	4	85	88	819741	804626	<0.2	<0.2	0.9	0.9
						1.0	0.5	330	29.0		8.1		17.3		103.7		7.3		4.4		4		86				<0.2		0.9	
					Middle	4.2	0.6	326	27.0	27.0	8.0	8.0	23.5	23.5	73.5	73.5	5.1		6.4		4		87				<0.2		0.9	
						4.2	0.6	352	27.0		8.0		23.5		73.4		5.1		6.5		5		87				<0.2		1.0	
					Bottom	7.3	0.6	332	25.6	25.6	8.0	8.0	28.2	28.2	63.4	63.6	4.4	4.4	13.5		4		90				<0.2		0.9	
						7.3	0.6	352	25.6		8.0		28.3		63.7		4.4		13.1		5		90				<0.2		1.0	
IM5	Fine	Moderate	11:18	7.1	Surface	1.0	0.9	350	28.5	28.5	8.1	8.1	18.8	18.8	105.3	105.3	7.4	6.6	4.7	8.4	4	5	86	87	820739	804850	<0.2	<0.2	1.1	1.0
						1.0	1.0	322	28.5		8.1		18.8		105.2		7.4		4.7		4		85				<0.2		0.9	
					Middle	3.6	0.8	355	26.9	26.9	8.0	8.0	23.4	23.2	83.1	83.3	5.8		7.6		6		87				<0.2		1.0	
						3.6	0.8	327	26.9		8.0		23.0		83.5		5.9		7.7		6		87				<0.2		1.0	
					Bottom	6.1	0.5	12	25.7	25.7	8.0	8.0	27.8	27.8	61.3	61.4	4.3	4.3	12.8		6		89				<0.2		1.0	
						6.1	0.5	12	25.7		8.0		27.8		61.4		4.3		12.8		6		90				<0.2		1.0	
IM6	Fine	Moderate	11:26	7.5	Surface	1.0	0.1	252	28.7	28.7	8.1	8.1	17.2	17.2	98.7	98.7	6.9	6.6	4.6	6.1	5	5	86	88	821065	805849	<0.2	<0.2	0.9	0.9
						1.0	0.1	265	28.7		8.1		17.3		98.6		6.9		4.7		4		85				<0.2		1.0	
					Middle	3.8	0.0	127	28.2	28.3	8.0	8.0	18.8	18.8	88.2	88.2	6.2		5.6		5		88				<0.2		0.9	
						3.8	0.0	132	28.3		8.0		18.7		88.2		6.2		5.6		4		88				<0.2		0.9	
					Bottom	6.5	0.3	79	25.7	25.7	8.0	8.0	28.1	28.1	63.3	63.4	4.4	4.4	8.2		4		90				<0.2		0.9	
						6.5	0.3	79	25.7		8.0		28.1		63.4		4.4		8.2		5		89				<0.2		0.9	
IM7	Fine	Moderate	11:34	8.6	Surface	1.0	0.1	236	28.7	28.7	8.1	8.1	17.3	17.4	98.0	97.9	6.9	6.4	4.2	6.3	6	5	86	88	821357	806825	<0.2	<0.2	0.9	1.0
						1.0	0.1	249	28.7		8.1		17.4		97.8		6.9		4.2		6		86				<0.2		0.9	
					Middle	4.3	0.1	59	28.0	28.0	8.0	8.0	20.1	20.1	82.1	82.1	5.8		4.8		4		88				<0.2		1.0	
						4.3	0.1	59	28.0		8.0		20.1		82.1		5.8		4.8		5		88				<0.2		1.0	
					Bottom	7.6	0.3	47	27.5	27.5	8.0	8.0	22.2	22.2	75.1	75.2	5.2	5.3	9.8		4		90				<0.2		1.0	
						7.6	0.3	48	27.5		8.0		22.2		75.3		5.3		9.7		3		90				<0.2		0.9	
IM8	Cloudy	Moderate	10:33	7.0	Surface	1.0	0.3	309	28.8	28.8	8.0	8.0	16.3	16.4	95.0	94.9	6.7	6.5	3.0	4.9	4	4	86	88	821821	808148	<0.2	<0.2	1.0	1.0
						1.0	0.3	327	28.8		8.0		16.4		94.8		6.7		3.1		3		85				<0.2		1.0	
					Middle	3.5	0.3	306	28.5	28.5	7.9	7.9	17.3	17.3	89.8	89.8	6.3		3.7		4		89				<0.2		1.0	
						3.5	0.3	324	28.5		7.9		17.3		89.7		6.3		4.1		5		88				<0.2		1.0	
					Bottom	6.0	0.2	306	28.2	28.2	7.9	7.9	19.1	19.1	83.1	83.4	5.8	5.9	7.7		4		90				<0.2		1.0	
						6.0	0.2	320	28.2		7.9		19.1		83.6		5.9		7.6		5		90				<0.2		1.0	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	10:28	7.3	Surface	1.0	0.3	277	28.7	28.7	7.9	7.9	16.6	16.6	92.3	92.2	6.5	6.5	3.0	4.6	5	5	86	89	822100	808803	<0.2	<0.2	1.0	1.0
						1.0	0.3	289	28.7		7.9		16.6		92.0		6.5		2.9		4		87				<0.2		1.0	
					Middle	3.7	0.3	293	28.5	28.5	7.9	7.9	16.8	16.8	90.6	90.5	6.4		4.1		4		89				<0.2		1.0	
						3.7	0.3	320	28.5		7.9		16.8		90.4		6.4		4.5		5		89				<0.2		1.0	
					Bottom	6.3	0.4	305	28.3	28.3	7.9	7.9	18.8	18.7	81.1	81.4	5.7	5.7	6.6		5		90				<0.2		1.0	
						6.3	0.4	316	28.3		7.9		18.7		81.6		5.7		6.6		5		90				<0.2		1.0	
IM10	Cloudy	Moderate	10:21	7.2	Surface	1.0	0.3	291	28.7	28.7	7.9	7.9	16.5	16.5	92.5	92.4	6.5	6.5	3.4	5.0	5	4	87	88	822403	809775	<0.2	<0.2	1.0	1.0
						1.0	0.3	311	28.7		7.9		16.6		92.2		6.5		3.6		6		86				<0.2		1.0	
					Middle	3.6	0.4	300	28.4	28.4	7.9	7.9	16.7	16.7	90.9	90.8	6.5		4.1		4		88				<0.2		1.0	
						3.6	0.4	313	28.3		7.9		16.7		90.7		6.4		4.2		4		87				<0.2		1.0	
					Bottom	6.2	0.3	313	27.7	27.7	7.9	7.9	19.0	19.0	79.0	78.9	5.6	5.6	7.3		3		90				<0.2		1.0	
						6.2	0.3	330	27.7		7.9		19.0		78.7		5.6		7.5		3		91				<0.2		0.9	
IM11	Cloudy	Moderate	10:11	7.4	Surface	1.0	0.3	298	28.6	28.6	7.9	7.9	16.5	16.5	94.0	93.8	6.7	6.3	3.7	4.1	5	5	86	88	822072	811456	<0.2	<0.2	1.0	1.0
						1.0	0.3	298	28.5		7.9		16.5		93.6		6.6		3.9		4		86				<0.2		1.0	
					Middle	3.7	0.4	304	28.3	28.3	7.9	7.9	18.6	18.6	85.0	84.9	6.0		4.5		5		88				<0.2		1.0	
						3.7	0.4	331	28.3		7.9		18.6		84.7		6.0		4.5		4		87				<0.2		1.0	
					Bottom	6.4	0.4	302	27.9	27.9	7.9	7.9	20.3	20.3	80.3	82.1	5.6	5.8	4.2		5		90				<0.2		1.0	
						6.4	0.4	309	27.9		7.9		20.2		83.9		5.9		4.1		6		90				<0.2		1.0	
IM12	Cloudy	Moderate	10:05	8.8	Surface	1.0	0.2	307	28.8	28.8	8.0	7.9	16.2	16.2	94.4	94.3	6.7	6.2	2.8	5.6	4	5	87	88	821437	812034	<0.2	<0.2	1.0	1.1
						1.0	0.2	312	28.7		7.9		16.3		94.2		6.7		2.8		4		86				<0.2		1.1	
					Middle	4.4	0.3	311	27.9	27.9	7.9	7.9	19.8	19.8	79.6	79.4	5.6		6.2		6		88				<0.2		1.0	
						4.4	0.3	336	27.9		7.9		19.8		79.2		5.6		6.6		5		89				<0.2		1.0	
					Bottom	7.8	0.3	312	25.8	25.8	7.9	7.9	27.0	27.0	69.1	69.3	4.8	4.9	7.7		6		90				<0.2		1.1	
						7.8	0.3	331	25.8		7.9		27.0		69.4		4.9		7.3		4		90				<0.2		1.1	
SR1A	Cloudy	Moderate	09:48	5.1	Surface	1.0	-	-	28.8	28.8	8.0	8.0	16.8	16.9	95.6	95.6	6.7	6.7	6.2	4.7	3	3	-	-	819975	812660	-	-	-	-
						1.0	-	-	28.7		8.0		16.9		95.5		6.7		6.1		2		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.4	28.4	7.9	7.9	18.0	18.1	88.7	88.6	6.2	6.2	3.3		3		-				-		-	
						4.1	-	-	28.4		7.9		18.1		88.5		6.2		3.0		4		-				-		-	
SR2	Cloudy	Moderate	09:34	5.0	Surface	1.0	0.0	331	28.8	28.8	8.0	8.0	15.7	15.6	95.3	95.3	6.8	6.8	3.2	3.8	5	4	88	89	821461	814172	<0.2	<0.2	1.1	1.1
						1.0	0.0	349	28.7		8.0		15.6		95.3		6.8		3.4		4		87				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	220	28.5	28.6	8.0	8.0	17.7	17.7	89.7	89.8	6.3	6.3	4.2		2		90				<0.2		1.1	
						4.0	0.0	237	28.6		8.0		17.7		89.9		6.3		4.2		4		90				<0.2		1.1	
SR3	Cloudy	Moderate	10:39	8.9	Surface	1.0	0.2	294	28.8	28.8	7.9	7.9	15.8	15.8	94.3	94.2	6.7	6.3	2.8	5.1	4	4	-	-	822130	807590	-	-	-	-
						1.0	0.2	298	28.7		7.9		15.8		94.1		6.7		2.8		4		-				-		-	
					Middle	4.5	0.3	283	28.4	28.4	7.9	7.9	18.3	18.2	84.2	84.1	5.9		3.0		4		-				-		-	
						4.5	0.3	285	28.4		7.9		18.2		84.0		5.9		3.0		4		-				-		-	
					Bottom	7.9	0.1	155	27.1	27.1	7.9	7.9	23.2	23.2	74.6	74.9	5.2	5.2	9.5		3		-				-		-	
						7.9	0.1	168	27.1		7.9		23.2		75.1		5.2		9.7		4		-				-		-	
SR4A	Cloudy	Calm	10:05	9.4	Surface	1.0	0.5	247	28.6	28.6	8.1	8.1	18.2	18.2	93.3	93.2	6.5	5.6	7.0	9.8	5	7	-	-	817166	807814	-	-	-	-
						1.0	0.6	251	28.6		8.1		18.2		93.0		6.5		7.2		5		-				-		-	
					Middle	4.7	0.1	253	26.4	26.4	8.0	8.0	25.5	25.5	65.3	65.3	4.6		9.1		7		-				-		-	
						4.7	0.1	269	26.4		8.0		25.5		65.2		4.6		9.1		8		-				-		-	
					Bottom	8.4	0.0	313	25.6	25.6	8.0	8.0	28.4	28.4	59.9	60.0	4.2	4.2	13.1		8		-				-		-	
						8.4	0.0	321	25.6		8.0		28.4		60.1		4.2		13.1		7		-				-		-	
SR5A	Cloudy	Calm	09:48	3.5	Surface	1.0	0.3	277	28.5	28.5	8.1	8.1	18.8	18.9	96.0	96.0	6.7	6.7	7.2	8.5	6	5	-	-	816598	810705	-	-	-	-
						1.0	0.3	292	28.5		8.1		18.9		96.0		6.7		7.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.2	307	28.3	28.3	8.1	8.1	19.7	19.7	91.1	91.2	6.4	6.4	9.7		4		-				-		-	
						2.5	0.2	325	28.3		8.1		19.7		91.2		6.4		9.8		4		-				-		-	
SR6A	Cloudy	Calm	09:22	3.9	Surface	1.0	0.0	209	28.5	28.5	8.0	8.0	18.7	18.8	101.7	101.7	7.1	7.1	4.4	6.9	4	4	-	-	817952	814761	-	-	-	-
						1.0	0.0	227	28.5		8.0		18.8		101.6		7.1		4.5		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	114	28.1	28.1	7.9	7.9	20.1	20.1	88.8	89.0	6.2	6.2	9.4		3		-				-		-	
						2.9	0.0	114	28.1		7.9		20.1		89.2		6.2		9.4		3		-				-		-	
SR7	Cloudy	Moderate	08:40	16.2	Surface	1.0	0.0	116	28.5	28.5	7.9	7.9	17.3	17.3	92.6	92.4	6.5	6.0	2.0	2.4	4	5	-	-	823621	823724	-	-	-	-
						1.0	0.0	117	28.5		7.9		17.3		92.1		6.5		2.0		4		-				-		-	
					Middle	8.1	0.1	184	26.8	26.8	7.9	7.9	23.9	23.9	77.1	77.0	5.4		2.2		5		-				-		-	
						8.1	0.1	185	26.8		7.9		23.9		76.8		5.4		2.3		4		-				-		-	
					Bottom	15.2	0.1	76	24.5	24.5	7.8	7.8	31.3	31.3	66.8	67.1	4.7	4.7	2.8		5		-				-		-	
						15.2	0.1	78	24.5		7.8		31.3		67.3		4.7		2.8		6		-				-		-	
SR8	Cloudy	Moderate	09:57	4.8	Surface	1.0	-	-	28.5	28.5	7.9	7.9	17.1	17.1	90.0	89.9	6.4	6.4	4.8	6.5	5	6	-	-	820397	811635	-	-	-	-
						1.0	-	-	28.5		7.9		17.1		89.8		6.3		5.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.2	28.2	7.9	7.9	18.9	18.8	82.8	82.8	5.8	5.8	8.1		7		-				-		-	
						3.8	-	-	28.2		7.9		18.8		82.8		5.8		8.1		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	08:05	8.4	Surface	1.0	0.2	178	29.8	29.8	8.2	8.2	10.0	10.0	105.7	105.6	7.6	6.8	5.0	6.2	4	5	84	88	815637	804238	<0.2	<0.2	1.1	1.1
						1.0	0.3	188	29.7		8.2		10.0		105.4		7.6		5.0		5		84				<0.2		1.1	
					Middle	4.2	0.3	235	27.5	27.5	8.1	8.1	21.1	21.2	84.1	83.9	5.9		5.6		5		87				<0.2		1.1	
						4.2	0.4	238	27.5		8.1		21.2		83.7		5.9		5.5		6		88				<0.2		1.0	
					Bottom	7.4	0.4	234	24.2	24.2	7.9	7.9	32.2	32.2	62.5	62.9	4.4	4.4	8.1		6		91				<0.2		1.0	
						7.4	0.4	249	24.2		7.9		32.2		63.2		4.4		8.2		6		92				<0.2		1.0	
C2	Cloudy	Moderate	09:28	11.0	Surface	1.0	0.6	154	29.5	29.5	8.0	8.0	9.8	9.8	88.7	88.7	6.4	5.6	4.0	5.7	5	5	86	89	825686	806960	<0.2	<0.2	1.0	1.0
						1.0	0.6	168	29.5		8.0		9.8		88.7		6.4		4.0		5		88				<0.2		1.0	
					Middle	5.5	0.3	163	26.7	26.7	8.1	8.1	25.0	25.0	67.2	67.2	4.7		4.2		5		88				<0.2		1.0	
						5.5	0.3	172	26.7		8.1		25.0		67.2		4.7		4.2		5		89				<0.2		1.0	
					Bottom	10.0	0.3	149	25.3	25.3	8.1	8.1	29.2	29.2	62.7	62.7	4.4	4.4	8.8		5		90				<0.2		1.0	
						10.0	0.3	159	25.3		8.1		29.2		62.7		4.4		8.8		6		91				<0.2		1.0	
C3	Cloudy	Moderate	07:28	12.2	Surface	1.0	0.0	244	29.5	29.5	8.1	8.1	14.8	14.8	127.7	127.7	9.0	8.2	2.2	1.7	4	5	86	88	822110	817800	<0.2	<0.2	1.1	1.1
						1.0	0.0	255	29.5		8.1		14.8		127.7		9.0		2.2		5		87				<0.2		1.1	
					Middle	6.1	0.0	341	27.8	27.8	8.1	8.1	22.3	22.3	104.5	104.5	7.3		1.1		5		88				<0.2		1.0	
						6.1	0.0	344	27.8		8.1		22.3		104.5		7.3		1.1		4		87				<0.2		1.0	
					Bottom	11.2	0.2	308	24.1	24.1	8.1	8.1	31.9	31.9	77.1	77.1	5.4	5.4	1.7		4		90				<0.2		1.0	
						11.2	0.2	311	24.1		8.1		31.9		77.1		5.4		1.7		5		90				<0.2		1.1	
IM1	Fine	Calm	08:25	4.6	Surface	1.0	0.1	39	29.7	29.7	8.3	8.3	9.7	9.7	109.1	108.9	7.9	7.9	6.1	7.2	4	5	84	86	817943	807127	<0.2	<0.2	1.0	1.1
						1.0	0.1	40	29.7		8.3		9.7		108.6		7.8		6.3		4		84				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-	-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	81	27.2	27.2	8.0	8.0	22.3	23.1	80.7	80.8	5.7	5.7	8.3		5		87				<0.2		1.2	
						3.6	0.0	81	27.1		8.0		23.9		80.8		5.6		8.3		6		87				<0.2		1.2	
IM2	Fine	Moderate	08:33	6.6	Surface	1.0	0.1	166	29.2	29.2	8.2	8.2	10.0	10.1	100.6	100.2	7.3	6.1	5.6	7.6	4	5	83	87	818148	806184	<0.2	<0.2	1.1	1.1
						1.0	0.2	169	29.2		8.2		10.2		99.8		7.2		5.7		4		83				<0.2		1.0	
					Middle	3.3	0.1	294	26.5	26.5	8.0	8.0	24.8	24.9	71.6	71.2	5.0		7.8		4		87				<0.2		1.2	
						3.3	0.1	322	26.4		8.0		25.0		70.8		5.0		7.8		5		87				<0.2		1.1	
					Bottom	5.6	0.1	284	24.7	24.8	7.9	7.9	30.8	30.7	60.4	60.5	4.2	4.2	9.6		5		91				<0.2		1.1	
						5.6	0.1	293	24.8		7.9		30.6		60.6		4.2		9.2		5		91				<0.2		1.3	
IM3	Fine	Moderate	08:40	6.8	Surface	1.0	0.2	144	28.6	28.6	8.1	8.1	14.7	14.7	91.1	90.9	6.5	5.4	6.7	7.4	4	4	85	88	818807	805596	<0.2	<0.2	1.2	1.3
						1.0	0.2	153	28.6		8.1		14.6		90.7		6.5		6.8		4		84				<0.2		1.3	
					Middle	3.4	0.1	247	25.6	25.6	8.0	7.9	28.1	28.1	62.0	62.1	4.3		7.6		4		88				<0.2		1.2	
						3.4	0.1	249	25.6		7.9		28.1		62.2		4.3		7.7		4		88				<0.2		1.3	
					Bottom	5.8	0.1	290	24.6	24.6	7.9	7.9	30.9	30.9	56.2	56.3	3.9	3.9	7.6		4		91				<0.2		1.2	
						5.8	0.1	302	24.6		7.9		30.9		56.4		3.9		7.8		4		92				<0.2		1.3	
IM4	Fine	Moderate	08:52	7.8	Surface	1.0	0.7	188	29.5	29.5	8.2	8.2	10.0	10.0	102.5	102.3	7.4	5.9	5.6	8.0	4	5	84	88	819736	804627	<0.2	<0.2	1.3	1.3
						1.0	0.7	193	29.5		8.2		10.0		102.0		7.4		5.9		5		84				<0.2		1.4	
					Middle	3.9	0.4	194	25.9	25.9	7.9	7.9	27.4	27.5	62.3	61.9	4.3		8.7		4		87				<0.2		1.3	
						3.9	0.4	210	25.8		7.9		27.5		61.5		4.3		8.8		5		88				<0.2		1.3	
					Bottom	6.8	0.1	160	24.5	24.5	7.9	7.9	31.3	31.3	57.7	57.8	4.0	4.0	9.6		6		91				<0.2		1.3	
						6.8	0.1	170	24.5		7.9		31.3		57.9		4.0		9.4		5		92				<0.2		1.2	
IM5	Fine	Moderate	09:02	7.2	Surface	1.0	0.6	224	29.6	29.6	8.2	8.2	11.0	11.0	106.4	106.2	7.6	6.9	5.2	7.1	6	5	83	87	820750	804847	<0.2	<0.2	1.2	1.3
						1.0	0.6	245	29.6		8.2		10.9		106.0		7.6		5.2		6		84				<0.2		1.2	
					Middle	3.6	0.5	225	28.0	28.0	8.1	8.1	18.5	19.6	87.8	87.7	6.1		7.2		5		87				<0.2		1.3	
						3.6	0.5	226	28.0		8.1		20.7		87.6		6.1		7.9		6		87				<0.2		1.3	
					Bottom	6.2	0.2	219	25.9	25.9	7.9	7.9	27.3	27.3	63.8	63.9	4.5	4.5	8.6		5		91				<0.2		1.3	
						6.2	0.2	224	25.9		7.9		27.4		64.0		4.5		8.6		4		91				<0.2		1.2	
IM6	Fine	Moderate	09:10	7.0	Surface	1.0	0.3	229	29.5	29.5	8.2	8.2	10.0	10.0	106.5	106.4	7.7	7.6	5.5	8.0	5	5	84	88	821083	805825	<0.2	<0.2	1.3	1.2
						1.0	0.3	245	29.5		8.2		10.1		106.3		7.7		5.5		4		83				<0.2		1.2	
					Middle	3.5	0.2	234	29.4	29.4	8.2	8.2	11.7	11.8	103.7	103.4	7.4		8.1		4		88				<0.2		1.2	
						3.5	0.2	241	29.4		8.2		11.8		103.0		7.4		8.1		5		88				<0.2		1.2	
					Bottom	6.0	0.2	241	26.1	26.1	7.9	7.9	26.9	26.8	61.0	61.2	4.3	4.3	10.1		5		92				<0.2		1.2	
						6.0	0.2	249	26.1		7.9		26.8		61.4		4.3		10.4		4		91				<0.2		1.2	
IM7	Fine	Moderate	09:18	8.0	Surface	1.0	0.3	243	29.5	29.5	8.2	8.2	9.7	9.7	106.3	106.1	7.7	7.1	5.3	5.9	4	5	84	88	821368	806855	<0.2	<0.2	1.3	1.3
						1.0	0.3	266	29.4		8.2		9.7		105.9		7.7		5.3		5		84				<0.2		1.3	
					Middle	4.0	0.2	283	29.1	29.1	8.1	8.1	14.4	14.4	94.0	91.8	6.7		5.1		4		87				<0.2		1.3	
						4.0	0.2	305	29.1		8.1		14.5		89.6		6.4		5.1		5		88				<0.2		1.3	
					Bottom	7.0	0.1	217	26.0	26.0	7.9	7.9	27.1	27.1	64.5	64.7	4.5	4.5	7.3		6		92				<0.2		1.2	
						7.0	0.2	219	26.0		7.9		27.1		64.9		4.5		7.5		5		92				<0.2		1.2	
IM8	Cloudy	Moderate	08:59	7.9	Surface	1.0	0.2	195	29.6	29.6	8.0	8.0	9.2	9.2	99.8	99.8	7.2	6.9	4.7	7.2	5	6	86	88	821816	808136	<0.2	<0.2	1.0	1.0
						1.0	0.2	197	29.6		8.0		9.2		99.8		7.2		4.7		4		86				<0.2		0.9	
					Middle	4.0	0.0	227	29.4	29.4	8.1	8.1	14.5	14.5	94.1	94.1	6.6		5.5		6		87				<0.2		0.9	
						4.0	0.0	234	29.4		8.1		14.5		94.1		6.6		5.5		5		89				<0.2		1.0	
					Bottom	6.9	0.1	359	26.2	26.2	8.0	8.0	26.5	26.5	66.5	66.5	4.6	4.6	11.4		7		90				<0.2		0.9	
						6.9	0.1	330	26.2		8.0		26.5		66.5		4.6		11.4		6		90				<0.2		1.0	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	08:53	7.0	Surface	1.0	0.2	155	29.5	29.5	8.1	8.1	9.7	9.7	101.6	101.6	7.4	7.0	4.3	6.0	4	5	86	88	822071	808818	<0.2	<0.2	1.0	1.0
						1.0	0.2	159	29.5		8.1		9.7		101.6		7.4		4.3		4		86				<0.2		0.9	
					Middle	3.5	0.1	51	29.4	29.4	8.1	8.1	12.5	12.5	92.5	92.5	6.6		4.9		6		88				<0.2		0.9	
						3.5	0.1	52	29.4		8.1		12.5		92.5		6.6		4.9		5		89				<0.2		1.0	
					Bottom	6.0	0.3	65	26.7	26.7	8.0	8.0	25.0	25.0	66.9	66.9	4.7	4.7	8.8		6		90				<0.2		0.9	
						6.0	0.3	67	26.7		8.0		25.0		66.9		4.7		8.8		6		90				<0.2		1.0	
IM10	Cloudy	Moderate	08:45	7.2	Surface	1.0	0.4	115	29.6	29.6	8.0	8.0	10.0	10.0	102.8	102.8	7.4	6.8	4.5	7.2	4	4	86	88	822408	809789	<0.2	<0.2	0.9	1.0
						1.0	0.4	122	29.6		8.0		10.0		102.8		7.4		4.5		4		86				<0.2		1.0	
					Middle	3.6	0.4	88	29.4	29.4	8.1	8.1	12.4	12.4	84.9	84.9	6.1		7.4		5		89				<0.2		1.0	
						3.6	0.4	93	29.4		8.1		12.4		84.9		6.1		7.4		4		87				<0.2		0.9	
					Bottom	6.2	0.2	109	26.6	26.6	8.1	8.1	25.3	25.3	76.0	76.0	5.3	5.3	9.6		4		90				<0.2		1.1	
						6.2	0.2	116	26.6		8.1		25.3		76.0		5.3		9.6		3		90				<0.2		0.9	
IM11	Cloudy	Moderate	08:31	7.5	Surface	1.0	0.5	117	29.4	29.4	8.0	8.0	11.5	11.5	102.4	102.4	7.3	6.9	3.9	4.7	6	5	86	88	822033	811475	<0.2	<0.2	1.2	1.0
						1.0	0.5	126	29.4		8.0		11.5		102.4		7.3		3.9		5		87				<0.2		1.0	
					Middle	3.8	0.5	105	29.0	29.0	8.1	8.1	16.0	16.0	90.4	90.4	6.4		4.3		5		88				<0.2		1.0	
						3.8	0.5	113	29.0		8.1		16.0		90.4		6.4		4.3		5		87				<0.2		1.0	
					Bottom	6.5	0.3	117	26.2	26.2	8.1	8.1	26.4	26.4	71.7	71.7	5.0	5.0	5.9		4		90				<0.2		1.0	
						6.5	0.3	120	26.2		8.1		26.4		71.7		5.0		5.9		5		90				<0.2		1.0	
IM12	Cloudy	Moderate	08:23	8.5	Surface	1.0	0.3	79	29.6	29.6	8.1	8.1	12.5	12.5	106.9	106.9	7.6	6.6	5.8	7.8	5	5	86	88	821480	812054	<0.2	<0.2	1.0	1.0
						1.0	0.4	86	29.6		8.1		12.5		106.9		7.6		5.8		4		86				<0.2		1.0	
					Middle	4.3	0.2	79	27.8	27.8	8.0	8.0	20.8	20.8	79.6	79.6	5.6		5.8		5		88				<0.2		1.0	
						4.3	0.2	84	27.8		8.0		20.8		79.6		5.6		5.8		4		89				<0.2		1.0	
					Bottom	7.5	0.1	65	25.4	25.4	8.0	8.0	30.3	30.3	64.9	64.9	4.5	4.5	11.7		6		90				<0.2		1.0	
						7.5	0.1	71	25.4		8.0		30.3		64.9		4.5		11.7		5		90				<0.2		1.0	
SR1A	Cloudy	Moderate	08:06	5.3	Surface	1.0	-	-	29.8	29.8	8.0	8.0	12.4	12.4	126.1	126.1	8.9	8.9	3.4	3.1	5	6	-	-	819977	812662	-	-	-	-
						1.0	-	-	29.8		8.0		12.4		126.1		8.9		3.4		5		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	29.3	29.3	8.2	8.2	16.8	16.8	124.6	124.6	8.7	8.7	2.8		6		-				-		-	
						4.3	-	-	29.3		8.2		16.8		124.6		8.7		2.8		6		-				-		-	
SR2	Cloudy	Moderate	07:52	4.8	Surface	1.0	0.3	76	29.7	29.7	8.1	8.1	11.3	11.3	119.3	119.3	8.5	8.5	3.4	3.5	4	4	88	89	821462	814189	<0.2	<0.2	1.0	1.0
						1.0	0.3	77	29.7		8.1		11.3		119.3		8.5		3.4		4		89				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	57	29.5	29.5	8.1	8.1	16.5	16.5	129.1	129.1	9.0	9.0	3.5		4		90				<0.2		0.9	
						3.8	0.2	61	29.5		8.1		16.5		129.1		9.0		3.5		5		90				<0.2		1.0	
SR3	Cloudy	Moderate	09:05	8.8	Surface	1.0	0.3	156	29.6	29.6	8.1	8.1	8.8	8.8	95.9	95.9	7.0	6.5	4.5	6.0	5	5	-	-	822137	807563	-	-	-	-
						1.0	0.3	159	29.6		8.1		8.8		95.9		7.0		4.5		6		-				-		-	
					Middle	4.4	0.1	171	27.6	27.6	8.1	8.1	22.6	22.6	86.3	86.3	6.0		5.7		4		-				-		-	
						4.4	0.1	181	27.6		8.1		22.6		86.3		6.0		5.7		5		-				-		-	
					Bottom	7.8	0.1	98	25.8	25.8	8.1	8.1	28.0	28.0	66.9	66.9	4.7	4.7	7.8		3		-				-		-	
						7.8	0.1	101	25.8		8.1		28.0		66.9		4.7		7.8		4		-				-		-	
SR4A	Fine	Calm	07:45	9.0	Surface	1.0	0.2	259	29.5	29.5	8.3	8.3	11.6	11.6	105.2	104.9	7.5	5.9	6.7	8.9	4	4	-	-	817198	807819	-	-	-	-
						1.0	0.2	261	29.5		8.3		11.6		104.5		7.5		6.7		4		-				-		-	
					Middle	4.5	0.1	54	24.9	24.9	7.9	7.9	30.1	30.1	60.5	60.6	4.2		9.6		4		-				-		-	
						4.5	0.1	54	24.9		7.9		30.1		60.6		4.2		9.8		5		-				-		-	
					Bottom	8.0	0.1	67	24.8	24.8	7.9	7.9	30.7	30.7	63.1	63.3	4.4	4.4	10.3		5		-				-		-	
						8.0	0.1	70	24.8		7.9		30.6		63.4		4.4		10.2		4		-				-		-	
SR5A	Fine	Calm	07:28	3.4	Surface	1.0	0.0	193	29.8	29.8	8.4	8.4	15.4	15.4	141.5	141.7	9.9	9.9	8.2	11.0	4	5	-	-	816584	810716	-	-	-	-
						1.0	0.0	199	29.7		8.4		15.3		141.8		9.9		9.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.0	168	29.7	29.7	8.4	8.4	17.4	17.4	140.7	140.5	9.7	9.7	13.3		5		-				-		-	
						2.4	0.0	170	29.7		8.4		17.4		140.3		9.7		13.1		6		-				-		-	
SR6A	Fine	Calm	06:52	4.7	Surface	1.0	0.0	295	29.6	29.6	8.3	8.3	17.8	17.8	130.7	130.7	9.0	9.0	10.0	11.8	4	4	-	-	817968	814752	-	-	-	-
						1.0	0.0	296	29.6		8.3		17.8		130.6		9.0		9.9		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	213	28.8	28.8	8.1	8.1	19.2	19.2	120.3	120.1	8.4	8.4	13.5		5		-				-		-	
						3.7	0.1	213	28.8		8.1		19.2		119.8		8.3		13.6		4		-				-		-	
SR7	Cloudy	Moderate	06:51	16.0	Surface	1.0	0.4	67	29.1	29.1	8.1	8.1	16.6	16.6	130.3	130.3	9.1	8.1	1.1	1.1	3	4	-	-	823634	823729	-	-	-	-
						1.0	0.5	68	29.1		8.1		16.6		130.3		9.1		1.1		4		-				-		-	
					Middle	8.0	0.0	4	26.2	26.2	8.0	8.0	25.8	25.8	101.9	101.9	7.1		0.8		4		-				-		-	
						8.0	0.0	4	26.2		8.0		25.9		101.9		7.1		0.8		5		-				-		-	
					Bottom	15.0	0.2	60	23.2	23.2	7.9	7.9	33.7	33.7	69.7	69.7	4.9	4.9	1.5		4		-				-		-	
						15.0	0.2	63	23.2		7.9		33.7		69.7		4.9		1.5		5		-				-		-	
SR8	Cloudy	Moderate	08:16	5.1	Surface	1.0	-	-	30.5	30.5	8.1	8.1	14.2	14.2	112.2	112.2	7.8	7.8	8.4	11.4	3	5	-	-	820398	811642	-	-	-	-
						1.0	-	-	30.5		8.1		14.2		112.2		7.8		8.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.6	28.6	8.0	8.0	19.2	19.2	106.3	106.3	7.4	7.4	14.4		6		-				-		-	
						4.1	-	-	28.6		8.0		19.2		106.3		7.4		14.4		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	13:20	7.9	Surface	1.0	0.3	69	29.9	29.9	8.3	8.3	8.5	8.5	111.5	111.3	8.1	6.6	9.4	8.8	3	3	86	91	815614	804230	<0.2	<0.2	1.2	1.2
						1.0	0.3	72	29.9		8.3		8.5		111.1		8.0		9.6		3		88				<0.2		1.2	
					Middle	4.0	0.2	51	26.4	26.4	7.9	7.9	26.0	25.9	74.1	74.6	5.2		8.1		3		91				<0.2		1.1	
						4.0	0.2	55	26.4		7.9		25.8		75.1		5.2		8.1		3		92				<0.2		1.2	
					Bottom	6.9	0.2	33	24.3	24.3	7.9	7.9	32.2	32.2	58.9	59.1	4.1	4.1	9.0		4		95				<0.2		1.2	
						6.9	0.2	35	24.3		7.9		32.2		59.2		4.1		8.8		3		96				<0.2		1.1	
C2	Cloudy	Moderate	12:18	11.0	Surface	1.0	0.4	182	30.0	30.0	8.1	8.1	8.4	8.4	93.9	93.9	6.8	5.6	4.8	6.2	4	5	86	88	825697	806945	<0.2	<0.2	0.9	1.0
						1.0	0.4	198	30.0		8.1		8.4		93.9		6.8		4.8		4		86				<0.2		1.0	
					Middle	5.5	0.1	187	26.4	26.4	7.9	7.9	26.8	26.8	63.8	63.8	4.4		5.7		5		88				<0.2		1.0	
						5.5	0.1	204	26.4		7.9		26.8		63.8		4.4		5.7		5		87				<0.2		1.0	
					Bottom	10.0	0.1	358	24.9	24.9	7.9	7.9	30.4	30.4	55.7	55.7	3.9	3.9	8.1		4		90				<0.2		1.0	
						10.0	0.2	329	24.9		7.9		30.4		55.7		3.9		8.1		6		89				<0.2		1.1	
C3	Cloudy	Moderate	14:10	11.8	Surface	1.0	0.3	265	30.7	30.7	8.2	8.2	13.5	13.5	159.3	159.3	11.1	8.4	3.1	3.4	5	5	87	89	822093	817804	<0.2	<0.2	1.1	1.1
						1.0	0.3	271	30.7		8.2		13.5		159.3		11.1		3.1		5		87				<0.2		1.0	
					Middle	5.9	0.4	244	25.8	25.8	8.1	8.1	28.2	28.2	81.2	81.2	5.6		2.5		5		88				<0.2		1.1	
						5.9	0.4	244	25.8		8.1		28.2		81.2		5.6		2.5		4		89				<0.2		1.1	
					Bottom	10.8	0.3	251	23.5	23.5	8.0	8.0	33.2	33.2	78.7	78.7	5.5	5.5	4.6		5		90				<0.2		1.0	
						10.8	0.3	273	23.5		8.0		33.2		78.7		5.5		4.6		4		90				<0.2		1.0	
IM1	Sunny	Calm	12:59	4.6	Surface	1.0	0.2	307	30.4	30.4	8.4	8.4	8.7	8.7	135.5	135.3	9.7	9.7	5.8	6.6	3	3	86	87	817952	807127	<0.2	<0.2	1.2	1.2
						1.0	0.2	313	30.3		8.4		8.7		135.0		9.7		6.0		3		86				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	326	29.8	29.8	8.3	8.3	11.6	11.6	112.1	112.0	8.0	8.0	7.4		3		88				<0.2		1.1	
						3.6	0.2	349	29.8		8.3		11.6		111.8		8.0		7.4		4		88				<0.2		1.2	
IM2	Sunny	Moderate	12:52	6.6	Surface	1.0	0.5	356	30.1	30.1	8.3	8.3	9.0	9.0	127.7	128.0	9.2	8.7	5.3	6.8	3	3	89	91	818154	806180	<0.2	<0.2	1.2	1.2
						1.0	0.5	328	30.1		8.3		9.0		128.3		9.2		5.3		3		89				<0.2		1.1	
					Middle	3.3	0.5	353	29.7	29.7	8.3	8.3	10.8	10.8	114.6	114.3	8.2		6.0		3		90				<0.2		1.2	
						3.3	0.5	325	29.7		8.3		10.8		114.0		8.2		6.7		4		90				<0.2		1.2	
					Bottom	5.6	0.4	331	25.1	25.2	8.0	8.0	30.0	29.9	57.9	59.6	4.0	4.2	8.7		4		93				<0.2		1.1	
						5.6	0.4	346	25.2		8.0		29.9		61.3		4.3		8.7		3		93				<0.2		1.3	
IM3	Sunny	Moderate	12:45	6.7	Surface	1.0	0.6	322	29.7	29.7	8.3	8.3	10.2	10.2	122.7	122.8	8.8	8.4	5.4	5.9	4	4	86	91	818801	805589	<0.2	<0.2	1.2	1.2
						1.0	0.6	331	29.7		8.3		10.2		122.8		8.8		5.4		4		86				<0.2		1.2	
					Middle	3.4	0.4	299	29.2	29.2	8.2	8.2	12.2	12.2	110.9	110.3	8.0		5.8		4		90				<0.2		1.1	
						3.4	0.5	310	29.1		8.2		12.2		109.7		7.9		6.0		4		90				<0.2		1.1	
					Bottom	5.7	0.3	259	24.8	24.8	8.0	8.0	30.9	30.9	60.1	60.3	4.2	4.2	6.4		4		95				<0.2		1.2	
						5.7	0.3	273	24.8		8.0		30.9		60.5		4.2		6.1		3		96				<0.2		1.2	
IM4	Sunny	Moderate	12:36	7.2	Surface	1.0	0.4	286	30.9	30.9	8.4	8.4	10.0	10.0	139.9	139.5	9.9	8.6	5.0	6.7	4	4	84	88	819739	804607	<0.2	<0.2	1.1	1.2
						1.0	0.5	300	30.9		8.4		10.0		139.0		9.8		5.2		4		84				<0.2		1.2	
					Middle	3.6	0.5	285	28.9	28.9	8.2	8.2	14.6	14.6	104.1	104.0	7.4		6.5		4		88				<0.2		1.1	
						3.6	0.5	300	28.9		8.2		14.7		103.8		7.4		6.6		4		88				<0.2		1.2	
					Bottom	6.2	0.2	318	24.7	24.7	8.0	8.0	31.1	31.1	62.0	62.4	4.3	4.4	8.6		4		93				<0.2		1.1	
						6.2	0.2	324	24.7		8.0		31.1		62.8		4.4		8.6		4		93				<0.2		1.2	
IM5	Sunny	Moderate	12:29	7.1	Surface	1.0	0.3	262	30.7	30.7	8.2	8.2	8.9	8.9	112.7	110.4	8.0	7.1	5.5	7.2	4	4	86	89	820743	804884	<0.2	<0.2	1.1	1.2
						1.0	0.4	269	30.7		8.2		8.8		108.1		7.7		5.5		4		87				<0.2		1.1	
					Middle	3.6	0.3	283	28.2	28.2	8.1	8.1	18.2	18.2	90.6	90.4	6.4		6.6		4		89				<0.2		1.2	
						3.6	0.3	297	28.2		8.1		18.1		90.2		6.4		6.7		4		90				<0.2		1.1	
					Bottom	6.1	0.3	321	25.3	25.3	7.9	7.9	30.0	30.0	58.4	58.5	4.1	4.1	9.5		4		90				<0.2		1.2	
						6.1	0.3	324	25.3		7.9		29.9		58.6		4.1		9.3		5		91				<0.2		1.2	
IM6	Sunny	Moderate	12:22	6.9	Surface	1.0	0.4	229	29.5	29.4	8.2	8.2	10.0	10.0	109.8	109.7	7.9	7.3	5.5	6.5	4	4	88	93	821040	805822	<0.2	<0.2	1.1	1.2
						1.0	0.4	232	29.3		8.2		10.0		109.6		7.9		5.5		4		89				<0.2		1.1	
					Middle	3.5	0.3	241	28.4	28.4	8.1	8.1	17.7	17.7	94.1	93.8	6.6		6.3		4		92				<0.2		1.2	
						3.5	0.3	243	28.4		8.1		17.7		93.4		6.6		6.5		4		93				<0.2		1.2	
					Bottom	5.9	0.2	280	26.4	26.4	8.0	8.0	26.1	26.1	69.4	69.8	4.8	4.9	7.6		4		97				<0.2		1.1	
						5.9	0.2	307	26.4		8.0		26.0		70.2		4.9		7.4		3		98				<0.2		1.3	
IM7	Sunny	Moderate	12:18	7.8	Surface	1.0	0.4	253	29.9	29.9	8.2	8.2	9.0	9.0	108.5	108.3	7.8	6.7	5.5	6.1	4	4	87	91	821329	806835	<0.2	<0.2	1.1	1.2
						1.0	0.4	274	29.9		8.2		9.0		108.1		7.8		5.5		3		88				<0.2		1.2	
					Middle	3.9	0.3	259	27.2	27.2	8.0	8.0	23.0	23.0	81.0	80.9	5.7		4.5		3		91				<0.2		1.3	
						3.9	0.3	260	27.2		8.0		23.0		80.8		5.6		4.5		4		92				<0.2		1.2	
					Bottom	6.8	0.1	225	25.9	25.9	8.0	8.0	27.5	27.5	58.5	58.6	4.1	4.1	8.5		3		94				<0.2		1.1	
						6.8	0.1	239	25.9		8.0		27.5		58.6		4.1		8.5		4		95				<0.2		1.1	
IM8	Cloudy	Moderate	12:41	7.3	Surface	1.0	0.4	262	30.4	30.4	8.0	8.0	7.8	7.8	104.9	104.8	7.6	6.8	4.6	7.7	4	5	87	88	821852	808148	<0.2	<0.2	1.2	1.1
						1.0	0.4	287	30.4		8.0		7.8		104.7		7.5		4.6		5		86				<0.2		1.0	
					Middle	3.7	0.3	268	29.6	29.6	8.0	8.0	9.4	9.4	84.4	84.4	6.1		7.3		5		88				<0.2		1.0	
						3.7	0.3	269	29.6		8.0		9.4		84.4		6.1		7.3		4		89				<0.2		1.2	
					Bottom	6.3	0.2	281	26.9	26.9	8.0	8.0	25.3	25.3	71.2	71.2	4.9	4.9	11.3		5		90				<0.2		1.0	
						6.3	0.2	303	26.9		8.0		25.3		71.2		4.9		11.3		4		90				<0.2		1.0	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	12:48	6.7	Surface	1.0	0.2	206	30.6	30.6	8.1	8.1	8.0	8.0	101.5	101.5	7.3	6.7	4.4	5.5	4	5	86	88	822097	808805	<0.2	<0.2	1.0	1.1
						1.0	0.2	207	30.6		8.1		8.0		101.5		7.3		4.4		5		87				<0.2		1.0	
					Middle	3.4	0.2	240	29.9	29.9	8.1	8.1	9.5	9.5	85.0	85.0	6.1		5.1		4		89				<0.2		1.1	
						3.4	0.2	255	29.9		8.1		9.5		85.0		6.1		5.1		5		87				<0.2		1.1	
					Bottom	5.7	0.3	258	27.4	27.4	8.0	8.0	24.3	24.3	73.3	73.3	5.1	5.1	7.0		4		90				<0.2		1.1	
						5.7	0.3	280	27.4		8.0		24.3		73.3		5.1		7.0		5		90				<0.2		1.0	
IM10	Cloudy	Moderate	12:58	6.7	Surface	1.0	0.1	336	30.0	30.0	8.1	8.1	8.0	8.0	104.9	104.9	7.6	7.2	4.0	5.5	3	4	86	88	822375	809788	<0.2	<0.2	1.0	1.1
						1.0	0.1	344	30.0		8.1		8.0		104.9		7.6		4.0		4		85				<0.2		1.1	
					Middle	3.4	0.2	311	29.9	29.9	8.0	8.0	10.8	10.8	95.0	95.0	6.8		5.2		4		88				<0.2		1.0	
						3.4	0.3	316	29.9		8.0		10.8		95.0		6.8		5.2		5		87				<0.2		1.2	
					Bottom	5.7	0.4	305	27.0	27.0	8.0	8.0	22.8	22.8	88.6	88.6	6.2	6.2	7.2		5		90				<0.2		1.0	
						5.7	0.4	307	27.0		8.0		22.8		88.6		6.2		7.2		4		90				<0.2		1.1	
IM11	Cloudy	Moderate	13:08	7.0	Surface	1.0	0.3	312	29.9	29.9	8.1	8.1	10.5	10.5	105.7	105.5	7.6	6.9	4.4	4.4	5	5	86	88	822074	811482	<0.2	<0.2	1.1	1.0
						1.0	0.4	315	29.9		8.1		10.5		105.2		7.5		4.4		4		87				<0.2		1.0	
					Middle	3.5	0.4	300	29.3	29.3	8.1	8.1	13.0	13.0	88.9	88.9	6.3		4.4		5		88				<0.2		1.0	
						3.5	0.4	326	29.3		8.1		13.0		88.9		6.3		4.4		4		87				<0.2		1.0	
					Bottom	6.0	0.3	295	27.3	27.3	8.0	8.0	25.5	25.5	84.9	84.9	5.8	5.8	4.4		5		90				<0.2		1.1	
						6.0	0.3	304	27.3		8.0		25.5		84.9		5.8		4.4		5		90				<0.2		1.0	
IM12	Cloudy	Moderate	13:14	8.9	Surface	1.0	0.2	266	29.9	29.9	8.1	8.1	11.5	11.5	105.1	105.1	7.5	6.8	4.3	5.6	3	4	86	88	821453	812066	<0.2	<0.2	1.1	1.1
						1.0	0.2	270	29.9		8.1		11.5		105.1		7.5		4.3		4		86				<0.2		1.0	
					Middle	4.5	0.3	274	28.3	28.3	8.0	8.0	20.4	20.4	87.1	86.8	6.1		4.6		4		88				<0.2		1.1	
						4.5	0.3	286	28.3		8.0		20.4		86.4		6.0		4.7		4		89				<0.2		1.1	
					Bottom	7.9	0.2	289	24.5	24.5	8.0	8.0	31.3	31.3	65.6	65.6	4.6	4.6	7.7		5		90				<0.2		1.0	
						7.9	0.2	312	24.5		8.0		31.3		65.6		4.6		7.7		5		90				<0.2		1.1	
SR1A	Cloudy	Moderate	13:35	5.2	Surface	1.0	-	-	30.3	30.3	8.0	8.0	12.2	12.2	160.4	160.4	11.3	11.3	4.1	4.3	5	5	-	-	819979	812657	-	-	-	-
						1.0	-	-	30.3		8.0		12.2		160.4		11.3		4.1		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	30.1	30.1	8.1	8.1	16.0	16.0	138.4	138.4	9.6	9.6	4.5		5		-				-		-	
						4.2	-	-	30.1		8.1		16.0		138.4		9.6		4.5		5		-				-		-	
SR2	Cloudy	Moderate	13:48	4.6	Surface	1.0	0.1	335	30.5	30.5	8.1	8.1	10.9	10.9	145.5	145.5	10.3	10.3	5.8	6.9	4	4	88	89	821460	814169	<0.2	<0.2	1.1	1.1
						1.0	0.1	358	30.5		8.1		10.9		145.5		10.3		5.8		5		88				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	329	29.3	29.3	8.0	8.0	17.0	17.0	139.8	139.8	9.7	9.7	8.0		3		90				<0.2		1.2	
						3.6	0.2	354	29.3		8.0		17.0		139.8		9.7		8.0		4		90				<0.2		1.1	
SR3	Cloudy	Moderate	12:35	8.7	Surface	1.0	0.3	240	30.4	30.4	8.0	8.0	10.6	10.6	104.7	104.7	7.4	6.4	3.1	6.3	4	5	-	-	822136	807576	-	-	-	-
						1.0	0.4	250	30.4		8.0		10.6		104.7		7.4		3.1		5		-				-		-	
					Middle	4.4	0.2	245	27.3	27.3	8.0	8.0	21.8	21.8	75.8	75.8	5.3		5.7		5		-				-		-	
						4.4	0.2	249	27.3		8.0		21.8		75.8		5.3		5.7		4		-				-		-	
					Bottom	7.7	0.0	109	25.8	25.8	8.0	8.0	28.0	28.0	71.6	71.6	5.0	5.0	10.1		4		-				-		-	
						7.7	0.0	118	25.8		8.0		28.0		71.6		5.0		10.1		5		-				-		-	
SR4A	Sunny	Calm	13:39	8.4	Surface	1.0	0.0	80	30.7	30.7	8.5	8.5	10.5	10.4	157.5	157.5	11.1	10.5	6.0	8.8	6	6	-	-	817207	807806	-	-	-	-
						1.0	0.0	86	30.7		8.5		10.4		157.4		11.1		6.0		6		-				-		-	
					Middle	4.2	0.4	252	29.8	29.8	8.4	8.4	17.3	17.3	143.4	143.1	9.9		7.0		6		-				-		-	
						4.2	0.4	274	29.8		8.4		17.3		142.8		9.8		7.5		6		-				-		-	
					Bottom	7.4	0.3	243	25.8	25.9	8.0	8.0	28.0	28.0	63.6	63.7	4.4	4.4	13.2		5		-				-		-	
						7.4	0.3	243	25.9		8.0		27.9		63.8		4.4		13.2		4		-				-		-	
SR5A	Sunny	Calm	13:54	3.6	Surface	1.0	0.2	277	30.8	30.8	8.6	8.6	15.2	15.2	191.5	191.5	13.1	13.2	6.0	6.8	5	7	-	-	816610	810681	-	-	-	-
						1.0	0.2	292	30.7		8.6		15.2		191.4		13.2		6.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.2	306	30.1	30.1	8.6	8.6	17.1	17.0	178.0	177.9	12.2	12.2	7.5		9		-				-		-	
						2.6	0.2	329	30.1		8.6		17.0		177.7		12.2		7.4		8		-				-		-	
SR6A	Sunny	Calm	14:21	4.0	Surface	1.0	0.0	137	31.0	31.0	8.7	8.7	13.3	13.3	204.5	204.4	14.1	14.1	7.4	8.5	6	5	-	-	817973	814756	-	-	-	-
						1.0	0.0	141	30.9		8.7		13.4		204.2		14.1		7.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	180	30.8	30.8	8.7	8.7	14.5	14.5	186.1	185.5	12.8	12.8	9.4		5		-				-		-	
						3.0	0.1	191	30.8		8.7		14.5		184.9		12.7		9.3		5		-				-		-	
SR7	Cloudy	Moderate	14:42	16.5	Surface	1.0	0.0	198	30.3	30.3	8.2	8.2	14.6	14.6	174.8	174.8	12.1	8.7	3.0	4.3	4	5	-	-	823655	823735	-	-	-	-
						1.0	0.0	205	30.3		8.2		14.6		174.8		12.1		3.0		4		-				-		-	
					Middle	8.3	0.0	226	25.7	25.7	8.1	8.1	28.4	28.4	74.5	74.5	5.2		3.4		5		-				-		-	
						8.3	0.0	229	25.7		8.1		28.4		74.5		5.2		3.4		4		-				-		-	
					Bottom	15.5	0.0	96	23.1	23.1	8.0	8.0	33.8	33.8	62.5	62.5	4.4	4.4	6.4		6		-				-		-	
						15.5	0.0	103	23.1		8.0		33.8		62.5		4.4		6.4		5		-				-		-	
SR8	Cloudy	Moderate	13:23	4.8	Surface	1.0	-	-	30.6	30.6	8.0	8.0	10.9	10.9	110.0	110.0	7.8	7.8	10.6	8.9	6	6	-	-	820381	811646	-	-	-	-
						1.0	-	-	30.6		8.0		10.9		110.0		7.8		10.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	27.9	27.9	8.0	8.0	19.8	19.8	92.1	92.1	6.5	6.5	7.2		6		-				-		-	
						3.8	-	-	27.9		8.0		19.8		92.1		6.5		7.2		6		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 16 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	10:28	7.9	Surface	1.0	0.4	177	30.0	30.0	8.6	8.6	9.6	9.6	130.1	130.0	9.3	8.9	5.1	5.6	5	6	87	90	815643	804230	<0.2	<0.2	1.2	1.1
						1.0	0.5	194	30.0		8.6		9.6		129.9		9.3		5.1		6		87				<0.2		1.0	
					Middle	4.0	0.2	231	29.7	29.7	8.5	8.5	10.0	10.0	118.5	118.4	8.5		5.2		6		90				<0.2		1.0	
						4.0	0.3	231	29.7		8.5		10.0		118.2		8.5		5.2		6		89				<0.2		0.9	
					Bottom	6.9	0.4	214	24.1	24.1	7.9	7.9	31.9	31.9	47.9	48.0	3.4	3.4	6.6		7		92				<0.2		1.1	
						6.9	0.5	223	24.1		7.9		31.9		48.1		3.4		6.5		7		92				<0.2		1.2	
C2	Fine	Moderate	11:05	11.9	Surface	1.0	0.4	133	29.1	29.1	8.2	8.2	9.8	9.8	99.3	99.3	7.2	5.8	4.5	5.3	6	6	88	90	825687	806925	<0.2	<0.2	1.0	1.0
						1.0	0.4	145	29.1		8.2		9.8		99.2		7.2		4.6		6		88				<0.2		1.0	
					Middle	6.0	0.6	152	25.0	25.0	7.8	7.8	27.6	27.6	60.5	60.5	4.3		3.6		6		90				<0.2		1.0	
						6.0	0.6	154	25.0		7.8		27.6		60.4		4.3		3.8		6		90				<0.2		1.0	
					Bottom	10.9	0.2	155	24.5	24.5	7.8	7.8	29.2	29.2	55.8	55.9	3.9	4.0	7.7		6		92				<0.2		1.0	
						10.9	0.2	161	24.5		7.8		29.2		55.9		4.0		7.9		7		92				<0.2		1.1	
C3	Cloudy	Moderate	09:06	12.7	Surface	1.0	0.2	192	29.0	29.0	8.3	8.3	13.1	13.1	122.4	122.4	8.8	8.0	3.4	5.0	6	6	87	90	822103	817815	<0.2	<0.2	1.0	1.0
						1.0	0.2	194	29.0		8.3		13.1		122.3		8.8		3.4		6		88				<0.2		1.0	
					Middle	6.4	0.1	237	27.2	27.2	8.2	8.2	20.1	20.2	101.5	101.3	7.2		2.5		6		91				<0.2		1.0	
						6.4	0.2	254	27.2		8.2		20.2		101.0		7.2		2.6		6		91				<0.2		0.9	
					Bottom	11.7	0.1	30	23.6	23.6	7.9	7.9	30.7	30.8	68.9	69.3	4.9	4.9	8.8		8		92				<0.2		1.0	
						11.7	0.1	31	23.6		7.9		30.8		69.6		4.9		9.4		6		93				<0.2		1.1	
IM1	Fine	Moderate	10:47	4.5	Surface	1.0	0.1	321	30.2	30.2	8.7	8.7	9.4	9.4	130.8	130.8	9.4	9.4	5.7	7.5	7	7	87	89	817964	807146	<0.2	<0.2	0.8	0.8
						1.0	0.1	335	30.2		8.7		9.4		130.7		9.3		5.7		7		88				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	14	28.3	28.3	8.3	8.3	17.2	17.8	89.0	85.0	6.3	6.0	9.3		6		90				<0.2		0.8	
						3.5	0.1	14	28.3		8.3		18.5		80.9		5.6		9.4		6		91				<0.2		0.9	
IM2	Fine	Moderate	10:55	6.2	Surface	1.0	0.0	238	28.9	28.9	8.4	8.4	14.1	14.0	115.0	115.0	8.2	6.0	6.6	7.5	8	7	86	88	818178	806166	<0.2	<0.2	0.8	0.9
						1.0	0.0	254	28.9		8.4		14.0		115.0		8.2		6.5		7		86				<0.2		0.8	
					Middle	3.1	0.1	200	25.5	25.5	7.9	7.9	28.4	28.4	53.2	53.3	3.7		7.5		7		89				<0.2		1.0	
						3.1	0.1	209	25.5		7.9		28.3		53.3		3.7		7.5		6		88				<0.2		0.8	
					Bottom	5.2	0.0	347	23.9	23.9	7.9	7.9	32.3	32.3	43.4	43.4	3.0	3.0	8.4		7		91				<0.2		0.9	
						5.2	0.0	319	23.9		7.9		32.3		43.4		3.0		8.4		6		90				<0.2		0.9	
IM3	Fine	Moderate	11:02	6.4	Surface	1.0	0.2	227	29.6	29.6	8.4	8.4	12.7	12.7	120.7	120.7	8.6	6.0	5.8	8.1	6	7	86	88	818800	805591	<0.2	<0.2	1.0	1.0
						1.0	0.2	239	29.6		8.4		12.7		120.6		8.6		5.8		6		86				<0.2		0.9	
					Middle	3.2	0.2	231	25.0	25.0	7.9	7.9	29.4	29.4	47.5	47.6	3.3		8.7		6		88				<0.2		0.9	
						3.2	0.2	233	25.0		7.9		29.4		47.7		3.3		8.7		7		88				<0.2		0.9	
					Bottom	5.4	0.2	214	23.9	23.9	7.9	7.9	32.4	32.4	42.4	42.4	3.0	3.0	9.7		8		90				<0.2		0.9	
						5.4	0.2	226	23.9		7.9		32.4		42.4		3.0		9.8		7		90				<0.2		1.1	
IM4	Fine	Rough	11:12	7.4	Surface	1.0	0.8	180	29.8	29.8	8.3	8.3	9.4	9.4	110.1	110.0	7.9	7.3	5.1	7.5	6	6	86	88	819702	804603	<0.2	<0.2	1.0	1.0
						1.0	0.8	184	29.8		8.3		9.4		109.8		7.9		5.1		6		85				<0.2		0.9	
					Middle	3.7	0.7	194	28.5	28.5	8.4	8.4	11.1	11.2	96.4	92.8	7.0		6.7		6		88				<0.2		1.0	
						3.7	0.8	209	28.4		8.4		11.3		89.2		6.5		7.0		6		88				<0.2		1.0	
					Bottom	6.4	0.1	209	24.2	24.2	7.9	7.9	31.6	31.6	43.7	43.7	3.1	3.1	10.4		7		90				<0.2		1.0	
						6.4	0.1	228	24.2		7.9		31.6		43.7		3.1		10.5		6		90				<0.2		1.0	
IM5	Fine	Rough	11:22	6.6	Surface	1.0	0.6	195	30.0	30.0	8.4	8.4	8.2	8.3	117.6	117.6	8.5	8.1	5.5	6.6	4	4	86	88	820746	804876	<0.2	<0.2	1.1	1.0
						1.0	0.6	205	30.0		8.4		8.5		117.6		8.5		5.5		5		85				<0.2		1.0	
					Middle	3.3	0.7	204	29.4	29.4	8.3	8.3	10.6	10.6	107.0	106.9	7.7		5.4		5		88				<0.2		1.1	
						3.3	0.7	220	29.4		8.3		10.6		106.8		7.7		5.4		4		88				<0.2		0.9	
					Bottom	5.6	0.5	221	26.4	26.4	8.1	8.1	20.7	20.7	68.6	68.6	4.9	4.9	8.7		4		91				<0.2		1.0	
						5.6	0.5	222	26.4		8.1		20.7		68.6		4.9		9.0		4		91				<0.2		1.0	
IM6	Fine	Rough	11:32	6.7	Surface	1.0	0.4	215	29.8	29.8	8.4	8.4	9.9	9.9	118.2	118.2	8.5	8.4	5.2	6.4	4	4	86	89	821052	805833	<0.2	<0.2	1.1	1.1
						1.0	0.4	233	29.8		8.4		9.9		118.1		8.5		5.2		4		86				<0.2		1.0	
					Middle	3.4	0.3	238	29.6	29.6	8.4	8.4	11.0	11.0	114.9	114.8	8.2		5.5		5		89				<0.2		1.2	
						3.4	0.4	239	29.6		8.4		11.0		114.7		8.2		5.5		4		89				<0.2		1.2	
					Bottom	5.7	0.3	256	26.6	26.6	8.0	8.0	21.7	21.8	75.7	75.3	5.4	5.4	8.6		4		90				<0.2		1.2	
						5.7	0.3	257	26.5		8.0		22.0		74.9		5.3		8.8		5		91				<0.2		1.0	
IM7	Fine	Rough	11:39	7.8	Surface	1.0	0.4	227	29.7	29.7	8.4	8.4	10.5	10.5	120.1	120.1	8.6	8.1	5.3	7.0	5	5	85	87	821368	806814	<0.2	<0.2	1.1	1.0
						1.0	0.4	240	29.7		8.4		10.5		120.0		8.6		5.4		4		84				<0.2		1.0	
					Middle	3.9	0.4	231	29.3	29.3	8.3	8.3	12.3	12.3	105.0	104.9	7.5		5.4		4		87				<0.2		1.0	
						3.9	0.4	241	29.3		8.3		12.3		104.8		7.5		5.4		5		88				<0.2		1.0	
					Bottom	6.8	0.2	279	25.8	25.8	7.9	7.9	26.8	26.9	57.4	57.2	4.0	4.0	10.0		6		90				<0.2		1.0	
						6.8	0.2	280	25.7		7.9		26.9		56.9		4.0		10.4		6		90				<0.2		1.1	
IM8	Fine	Moderate	10:37	7.9	Surface	1.0	0.1	181	29.3	29.3	8.2	8.2	9.9	9.9	109.1	109.1	7.9	7.7	4.2	4.4	5	5	87	89	821847	808131	<0.2	<0.2	0.9	1.0
						1.0	0.1	186	29.3		8.2		9.9		109.0		7.9		4.2		5		86				<0.2		1.0	
					Middle	4.0	0.1	154	28.9	28.9	8.2	8.2	11.3	11.3	103.3	103.2	7.5		4.1		5		89				<0.2		1.0	
						4.0	0.1	158	28.9		8.2		11.3		103.1		7.5		4.2		5		90				<0.2		1.0	
					Bottom	6.9	0.1	173	28.6	28.6	8.1	8.1	13.2	13.2	99.1	99.1	7.1	7.1	5.0		6		91				<0.2		1.1	
						6.9	0.1	173	28.6		8.1		13.1		99.0		7.1		4.9		5		91				<0.2		1.1	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 16 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	10:31	7.5	Surface	1.0	0.2	90	29.4	29.4	8.2	8.2	9.8	9.8	108.6	108.6	7.9	7.7	4.1	5.8	6	6	86	89	822080	808809	<0.2	<0.2	1.0	1.1
						1.0	0.3	90	29.4		8.2		9.8		108.5		7.9		4.1		5		86				<0.2		1.2	
					Middle	3.8	0.3	107	29.3	29.3	8.2	8.2	10.1	10.1	104.5	104.4	7.6		4.2		6		90				<0.2		1.0	
						3.8	0.3	115	29.3		8.2		10.1		104.2		7.5		4.2		5		90				<0.2		0.9	
					Bottom	6.5	0.2	85	27.1	27.1	7.9	7.9	17.4	17.4	77.3	77.2	5.6	5.6	9.0		6		91				<0.2		1.1	
						6.5	0.2	85	27.0		7.9		17.5		77.0		5.5		8.9		6		91				<0.2		1.1	
IM10	Fine	Moderate	10:22	7.6	Surface	1.0	0.6	100	29.3	29.3	8.2	8.2	9.6	9.6	106.8	106.7	7.7	7.6	4.1	5.4	6	6	87	90	822384	809811	<0.2	<0.2	1.0	1.0
						1.0	0.7	105	29.3		8.2		9.6		106.5		7.7		4.1		6		88				<0.2		0.9	
					Middle	3.8	0.6	108	28.9	28.9	8.2	8.2	11.8	11.8	102.6	102.6	7.4		4.0		4		90				<0.2		1.1	
						3.8	0.6	109	28.9		8.2		11.9		102.5		7.4		4.1		6		91				<0.2		1.2	
					Bottom	6.6	0.5	87	28.3	28.3	8.1	8.1	15.8	15.4	93.8	94.2	6.7	6.8	8.1		5		91				<0.2		0.9	
						6.6	0.6	88	28.3		8.1		15.0		94.6		6.8		8.2		6		92				<0.2		0.9	
IM11	Fine	Moderate	10:08	8.0	Surface	1.0	0.6	84	29.2	29.2	8.3	8.3	10.6	10.6	109.6	109.6	7.9	7.6	3.9	4.7	6	6	87	90	822074	811481	<0.2	<0.2	1.0	1.0
						1.0	0.6	90	29.2		8.3		10.6		109.5		7.9		3.9		6		87				<0.2		1.0	
					Middle	4.0	0.5	93	28.6	28.6	8.2	8.2	13.9	13.8	99.9	99.8	7.2		3.6		5		90				<0.2		0.8	
						4.0	0.6	100	28.6		8.2		13.8		99.7		7.2		3.7		6		91				<0.2		1.0	
					Bottom	7.0	0.2	101	25.0	25.0	7.9	7.9	27.2	27.2	70.6	71.0	5.0	5.1	6.3		6		92				<0.2		1.0	
						7.0	0.2	103	25.0		7.9		27.3		71.3		5.1		6.5		5		92				<0.2		1.0	
IM12	Fine	Moderate	10:01	9.7	Surface	1.0	0.4	85	29.0	29.0	8.2	8.2	11.9	11.9	110.9	110.8	8.0	7.6	4.0	4.6	6	6	86	89	821450	812035	<0.2	<0.2	1.2	1.1
						1.0	0.5	90	29.0		8.2		11.9		110.7		8.0		3.9		6		87				<0.2		1.1	
					Middle	4.9	0.2	84	28.6	28.6	8.2	8.2	14.2	14.2	100.5	100.2	7.2		3.6		6		90				<0.2		1.0	
						4.9	0.2	87	28.6		8.2		14.2		99.9		7.2		3.7		7		90				<0.2		1.0	
					Bottom	8.7	0.1	51	24.1	24.1	7.8	7.8	29.8	29.8	60.9	61.5	4.3	4.4	6.1		6		91				<0.2		1.1	
						8.7	0.1	53	24.1		7.8		29.8		62.0		4.4		6.1		7		91				<0.2		0.9	
SR1A	Fine	Moderate	09:43	4.9	Surface	1.0	-	-	29.2	29.2	8.4	8.4	12.6	12.6	131.5	131.4	9.4	9.4	3.1	3.2	5	6	-	-	819982	812662	-	-	-	-
						1.0	-	-	29.2		8.4		12.6		131.3		9.4		3.2		6		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	29.1	29.1	8.3	8.3	13.7	13.7	119.0	118.8	8.5	8.5	3.4		6		-				-		-	
						3.9	-	-	29.1		8.3		13.8		118.6		8.4		3.3		6		-				-		-	
SR2	Cloudy	Moderate	09:30	5.0	Surface	1.0	0.3	101	29.3	29.3	8.3	8.3	11.2	11.2	117.5	117.5	8.5	8.5	3.6	3.5	6	6	87	89	821485	814155	<0.2	<0.2	1.1	1.0
						1.0	0.3	101	29.2		8.3		11.3		117.4		8.5		3.5		6		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	92	28.9	28.9	8.3	8.3	13.2	13.2	111.5	111.4	8.0	8.0	3.6		5		90				<0.2		1.0	
						4.0	0.2	93	28.9		8.3		13.2		111.3		8.0		3.4		6		90				<0.2		1.0	
SR3	Fine	Moderate	10:43	8.8	Surface	1.0	0.1	173	29.3	29.3	8.2	8.2	9.9	9.9	108.0	107.9	7.8	7.4	4.1	5.4	6	6	-	-	822165	807590	-	-	-	-
						1.0	0.1	173	29.3		8.2		9.9		107.8		7.8		4.2		5		-				-		-	
					Middle	4.4	0.1	219	28.7	28.7	8.1	8.1	13.2	13.2	97.6	97.4	7.0		3.6		5		-				-		-	
						4.4	0.2	225	28.7		8.1		13.2		97.1		7.0		3.5		6		-				-		-	
					Bottom	7.8	0.1	186	25.5	25.5	7.8	7.8	26.5	26.5	55.9	56.1	3.9	4.0	8.5		6		-				-		-	
						7.8	0.1	196	25.5		7.8		26.5		56.3		4.0		8.5		6		-				-		-	
SR4A	Fine	Calm	10:06	8.8	Surface	1.0	0.0	274	30.2	30.2	8.6	8.6	10.7	10.7	125.3	125.2	8.9	6.3	6.3	9.9	7	7	-	-	817178	807796	-	-	-	-
						1.0	0.0	274	30.2		8.6		10.7		125.1		8.9		6.3		7		-				-		-	
					Middle	4.4	0.2	66	26.1	26.1	7.9	7.9	28.0	28.0	53.8	54.0	3.7		10.1		8		-				-		-	
						4.4	0.2	68	26.1		8.0		28.0		54.2		3.7		10.2		7		-				-		-	
					Bottom	7.8	0.2	70	23.9	23.9	7.9	7.9	32.6	32.6	48.8	48.8	3.4	3.4	13.3		7		-				-		-	
						7.8	0.3	70	23.9		7.9		32.6		48.8		3.4		13.3		8		-				-		-	
SR5A	Fine	Calm	09:48	3.7	Surface	1.0	0.0	117	30.4	30.4	8.6	8.6	12.5	12.5	132.4	132.4	9.3	9.3	5.3	6.6	7	7	-	-	816615	810685	-	-	-	-
						1.0	0.0	122	30.4		8.6		12.5		132.4		9.3		5.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	52	30.0	30.0	8.5	8.5	16.3	16.3	127.6	127.4	8.8	8.8	7.8		7		-				-		-	
						2.7	0.1	54	30.0		8.5		16.3		127.2		8.8		7.8		7		-				-		-	
SR6A	Fine	Calm	09:19	4.1	Surface	1.0	0.1	289	29.3	29.3	8.3	8.3	15.3	15.3	118.4	118.4	8.3	8.3	10.7	12.0	8	8	-	-	817948	814728	-	-	-	-
						1.0	0.1	301	29.3		8.2		15.3		118.4		8.3		10.7		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	172	29.0	29.0	8.1	8.1	17.2	17.3	102.5	102.5	7.2	7.2	13.4		8		-				-		-	
						3.1	0.1	175	29.0		8.1		17.3		102.5		7.2		13.4		7		-				-		-	
SR7	Cloudy	Moderate	08:32	15.5	Surface	1.0	0.4	67	28.9	28.9	8.5	8.5	13.4	13.4	132.7	132.7	9.5	8.4	3.1	3.4	7	7	-	-	823652	823726	-	-	-	-
						1.0	0.4	71	28.9		8.5		13.4		132.6		9.5		3.1		7		-				-		-	
					Middle	7.8	0.1	284	27.4	27.4	8.2	8.2	18.4	18.3	100.7	100.6	7.2		3.7		7		-				-		-	
						7.8	0.1	300	27.4		8.2		18.2		100.4		7.2		3.7		8		-				-		-	
					Bottom	14.5	0.3	62	23.0	23.0	7.8	7.8	32.1	32.1	69.3	69.9	4.9	5.0	3.3		8		-				-		-	
						14.5	0.4	67	23.0		7.8		32.1		70.4		5.0		3.3		7		-				-		-	
SR8	Fine	Moderate	09:54	5.1	Surface	1.0	-	-	29.2	29.2	8.3	8.3	11.9	12.0	116.2	116.1	8.3	8.3	4.6	5.9	6	6	-	-	820412	811638	-	-	-	-
						1.0	-	-	29.2		8.3		12.0		115.9		8.3		5.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	29.0	29.1	8.3	8.3	12.5	12.5	113.5	113.3	8.1	8.1	6.8		6		-				-		-	
						4.1	-	-	29.1		8.3		12.5		113.0		8.1		7.1		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 16 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	16:59	7.9	Surface	1.0	0.4	20	30.5	30.5	8.6	8.6	9.1	9.1	136.9	136.8	9.8	6.6	5.6	8.7	7	7	86	89	815642	804229	<0.2	<0.2	0.9	0.9
						1.0	0.4	20	30.5		8.6		9.1		136.7		9.8		5.7		8		87				<0.2		0.8	
					Middle	4.0	0.1	12	24.4	24.4	7.9	7.9	30.8	30.7	48.8	49.1	3.4		8.6		8		90				<0.2		0.8	
						4.0	0.1	12	24.4		7.9		30.6		49.4		3.5		8.5		7		89				<0.2		0.8	
					Bottom	6.9	0.3	37	23.8	23.8	7.9	7.9	32.3	32.3	43.4	43.5	3.0	3.1	11.7		6		92				<0.2		0.9	
						6.9	0.3	38	23.8		7.9		32.3		43.5		3.1		11.9		6		91				<0.2		0.9	
C2	Fine	Rough	15:14	10.5	Surface	1.0	0.4	149	29.7	29.7	8.2	8.2	9.5	9.5	107.6	107.4	7.8	6.0	5.2	6.5	6	6	87	90	825667	806922	<0.2	<0.2	1.0	1.0
						1.0	0.4	154	29.6		8.2		9.5		107.2		7.7		5.2		5		87				<0.2		1.0	
					Middle	5.3	0.2	67	25.6	25.6	7.8	7.8	24.8	24.8	60.2	60.3	4.3		5.4		6		90				<0.2		1.0	
						5.3	0.2	73	25.5		7.8		24.8		60.3		4.3		5.8		6		90				<0.2		1.0	
					Bottom	9.5	0.1	87	25.2	25.2	7.8	7.8	26.4	26.4	61.1	61.3	4.3	4.4	8.8		6		92				<0.2		1.0	
						9.5	0.1	92	25.2		7.8		26.4		61.5		4.4		8.5		6		92				<0.2		1.1	
C3	Fine	Moderate	17:09	12.5	Surface	1.0	0.1	292	29.9	29.9	8.6	8.6	11.6	11.6	158.6	158.2	11.3	8.0	3.1	5.6	6	6	87	90	822087	817795	<0.2	<0.2	0.9	1.1
						1.0	0.1	300	29.9		8.6		11.6		157.8		11.2		3.1		6		88				<0.2		1.1	
					Middle	6.3	0.1	242	25.4	25.4	7.9	7.9	25.8	25.8	66.4	66.3	4.7		2.4		7		91				<0.2		1.1	
						6.3	0.1	244	25.4		7.9		25.8		66.2		4.7		2.6		6		91				<0.2		1.1	
					Bottom	11.5	0.3	299	23.4	23.4	7.8	7.8	31.2	31.2	59.2	59.4	4.2	4.2	11.2		6		92				<0.2		1.2	
						11.5	0.3	307	23.4		7.9		31.2		59.5		4.2		11.0		7		92				<0.2		1.1	
IM1	Fine	Rough	16:34	4.6	Surface	1.0	0.1	337	30.5	30.5	8.7	8.7	9.6	9.6	145.7	145.7	10.4	10.4	9.4	10.0	7	7	89	90	817951	807126	<0.2	<0.2	1.1	1.2
						1.0	0.1	310	30.5		8.7		9.6		145.7		10.4		9.4		7		89				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	264	30.6	30.6	8.7	8.7	9.9	9.9	145.4	145.3	10.3	10.3	10.6		7		90				<0.2		1.2	
						3.6	0.1	267	30.6		8.7		9.9		145.2		10.3		10.7		6		90				<0.2		1.2	
IM2	Fine	Rough	16:26	6.5	Surface	1.0	0.5	10	30.4	30.4	8.6	8.6	9.4	9.4	142.5	142.5	10.2	9.7	5.7	7.5	6	6	87	90	818177	806147	<0.2	<0.2	1.0	1.0
						1.0	0.6	10	30.4		8.6		9.4		142.4		10.2		5.8		6		87				<0.2		1.0	
					Middle	3.3	0.4	352	30.2	30.2	8.5	8.5	9.7	9.7	129.4	129.3	9.3		7.2		6		90				<0.2		1.2	
						3.3	0.4	324	30.2		8.5		9.7		129.2		9.2		7.3		7		90				<0.2		1.0	
					Bottom	5.5	0.5	339	25.4	25.4	7.9	7.9	25.7	27.5	64.3	63.3	4.5	4.4	9.6		6		92				<0.2		1.0	
						5.5	0.5	340	25.3		7.9		29.3		62.3		4.3		9.3		6		92				<0.2		1.0	
IM3	Fine	Rough	16:17	6.7	Surface	1.0	0.6	328	30.3	30.3	8.6	8.6	10.0	10.0	143.7	143.8	10.2	9.9	6.2	7.9	7	7	87	90	818789	805607	<0.2	<0.2	1.0	1.0
						1.0	0.6	337	30.3		8.6		10.0		143.8		10.2		6.3		8		87				<0.2		1.0	
					Middle	3.4	0.6	324	30.1	30.1	8.5	8.5	10.1	10.1	133.9	133.6	9.6		7.2		7		90				<0.2		1.0	
						3.4	0.6	352	30.1		8.5		10.1		133.3		9.5		7.3		6		90				<0.2		1.0	
					Bottom	5.7	0.5	294	24.4	24.4	7.9	7.9	31.4	31.4	46.9	47.0	3.3	3.3	10.3		6		92				<0.2		1.0	
						5.7	0.6	315	24.4		7.9		31.4		47.1		3.3		10.0		7		92				<0.2		0.9	
IM4	Fine	Rough	16:03	7.1	Surface	1.0	0.7	280	30.3	30.3	8.6	8.6	10.6	10.6	145.3	145.3	10.3	10.0	6.5	7.6	8	8	86	89	819722	804587	<0.2	<0.2	1.0	1.1
						1.0	0.8	289	30.3		8.6		10.6		145.2		10.3		6.5		8		86				<0.2		1.0	
					Middle	3.6	0.6	299	30.2	30.2	8.6	8.5	10.6	10.6	136.0	135.9	9.7		6.5		8		90				<0.2		1.1	
						3.6	0.7	328	30.2		8.5		10.6		135.7		9.6		6.5		8		90				<0.2		1.2	
					Bottom	6.1	0.4	324	24.1	24.1	7.9	7.9	31.9	31.9	41.8	41.8	2.9	2.9	9.8		8		92				<0.2		1.2	
						6.1	0.4	327	24.1		7.9		31.9		41.8		2.9		9.7		9		92				<0.2		1.0	
IM5	Fine	Rough	15:49	6.0	Surface	1.0	0.2	278	30.2	30.2	8.6	8.6	11.0	11.0	148.5	148.5	10.5	10.2	6.2	6.0	7	7	86	89	820728	804863	<0.2	<0.2	1.0	1.1
						1.0	0.3	286	30.2		8.6		11.0		148.5		10.5		6.1		8		87				<0.2		1.0	
					Middle	3.0	0.3	280	29.9	29.9	8.5	8.5	11.5	11.5	137.3	137.4	9.8		6.0		6		89				<0.2		1.1	
						3.0	0.3	300	29.9		8.5		11.5		137.4		9.8		6.0		7		89				<0.2		1.2	
					Bottom	5.0	0.2	322	28.7	28.7	8.2	8.2	15.1	15.0	93.3	95.2	6.6	6.8	6.0		7		91				<0.2		1.2	
						5.0	0.2	334	28.7		8.2		15.0		97.0		6.9		6.1		6		91				<0.2		1.2	
IM6	Fine	Rough	15:40	6.1	Surface	1.0	0.4	232	30.0	30.0	8.5	8.5	10.9	10.9	134.7	134.6	9.6	8.4	5.5	6.2	6	6	86	89	821059	805850	<0.2	<0.2	1.0	1.0
						1.0	0.5	240	30.0		8.5		10.9		134.5		9.6		5.5		6		87				<0.2		0.9	
					Middle	3.1	0.5	254	29.0	29.0	8.2	8.2	13.7	13.8	101.5	101.7	7.2		6.5		7		89				<0.2		1.0	
						3.1	0.5	257	29.0		8.2		13.9		101.8		7.2		6.5		6		89				<0.2		1.0	
					Bottom	5.1	0.1	239	27.4	27.5	8.1	8.1	21.1	21.1	75.6	76.0	5.3	5.4	6.6		6		91				<0.2		1.0	
						5.1	0.1	242	27.5		8.1		21.1		76.4		5.4		6.4		7		91				<0.2		1.1	
IM7	Fine	Rough	15:19	7.3	Surface	1.0	0.4	241	29.7	29.7	8.3	8.3	10.5	10.5	110.5	110.4	7.9	7.0	6.0	7.2	6	6	86	89	821331	806842	<0.2	<0.2	1.0	1.1
						1.0	0.4	247	29.7		8.3		10.5		110.3		7.9		6.0		6		86				<0.2		1.0	
					Middle	3.7	0.4	268	28.0	28.0	8.1	8.1	17.3	17.2	83.7	83.8	6.0		6.8		5		89				<0.2		1.0	
						3.7	0.4	289	28.0		8.1		17.2		83.8		6.0		6.8		6		88				<0.2		1.1	
					Bottom	6.3	0.2	280	26.5	26.5	8.0	8.0	24.5	24.5	63.3	63.3	4.4	4.4	8.7		7		91				<0.2		1.1	
						6.3	0.2	282	26.5		8.0		24.5		63.3		4.4		8.6		8		91				<0.2		1.2	
IM8	Fine	Rough	15:44	7.0	Surface	1.0	0.2	246	29.9	29.9	8.3	8.3	9.1	9.1	115.2	115.1	8.3	7.8	4.8	7.8	6	6	87	90	821816	808124	<0.2	<0.2	1.2	1.1
						1.0	0.2	268	29.8		8.3		9.1		114.9		8.3		4.8		5		88				<0.2		1.2	
					Middle	3.5	0.2	228	28.9	28.9	8.1	8.1	11.3	11.3	98.6	98.6	7.2		4.9		6		90				<0.2		1.1	
						3.5	0.3	243	28.8		8.1		11.3		98.6		7.2		4.9		6		90				<0.2		1.1	
					Bottom	6.0	0.3	288	28.1	28.1	8.0	8.0	15.5	15.5	86.3	86.5	6.2	6.2	13.5		7		92				<0.2		1.0	
						6.0	0.3	311	28.1		8.0		15.5		86.6		6.2		13.6		6		92				<0.2		1.0	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 16 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Rough	15:51	7.1	Surface	1.0	0.2	253	29.8	29.8	8.3	8.3	9.2	9.2	114.9	114.6	8.3	7.6	4.8	5.5	6	7	87	90	822074	808789	<0.2	<0.2	1.1	1.1
						1.0	0.2	269	29.8		8.3		9.3		114.3		8.2		4.9		7		87				<0.2		1.2	
					Middle	3.6	0.1	241	28.8	28.8	8.1	8.1	12.4	12.4	97.3	97.5	7.0		5.3		7		90				<0.2		1.0	
						3.6	0.1	257	28.8		8.1		12.4		97.7		7.0		5.3		7		91				<0.2		1.1	
					Bottom	6.1	0.2	277	28.0	28.0	8.0	8.0	14.6	14.7	84.2	84.1	6.1	6.1	6.4		7		92				<0.2		1.1	
						6.1	0.2	280	28.0		8.0		14.8		84.0		6.1		6.4		7		92				<0.2		1.1	
IM10	Fine	Moderate	15:59	7.2	Surface	1.0	0.1	256	29.7	29.7	8.3	8.3	9.3	9.3	118.7	118.7	8.6	8.3	4.8	6.9	6	6	88	90	822363	809807	<0.2	<0.2	1.1	1.1
						1.0	0.1	269	29.6		8.3		9.3		118.6		8.6		4.9		7		88				<0.2		1.0	
					Middle	3.6	0.2	321	29.2	29.2	8.2	8.2	11.5	11.5	110.3	110.1	7.9		5.0		7		90				<0.2		1.1	
						3.6	0.2	334	29.2		8.2		11.5		109.9		7.9		5.1		6		90				<0.2		1.1	
					Bottom	6.2	0.3	356	27.7	27.7	8.0	8.0	17.4	17.4	87.3	87.6	6.2	6.3	10.9		6		91				<0.2		1.0	
						6.2	0.3	357	27.7		8.0		17.4		87.8		6.3		10.5		5		92				<0.2		1.1	
IM11	Fine	Moderate	16:10	6.6	Surface	1.0	0.1	300	29.7	29.7	8.4	8.4	10.7	10.7	134.1	134.1	9.6	9.2	4.2	4.2	6	7	88	91	822076	811443	<0.2	<0.2	1.0	1.1
						1.0	0.1	324	29.7		8.4		10.7		134.0		9.6		4.2		6		88				<0.2		1.1	
					Middle	3.3	0.2	333	29.2	29.2	8.3	8.3	12.1	12.1	121.2	121.3	8.7		4.2		6		91				<0.2		1.2	
						3.3	0.3	306	29.2		8.3		12.1		121.3		8.7		4.2		7		91				<0.2		1.0	
					Bottom	5.6	0.2	346	29.0	29.0	8.3	8.3	13.0	13.0	120.4	120.2	8.6	8.6	4.1		8		92				<0.2		1.1	
						5.6	0.2	318	29.0		8.3		13.0		120.0		8.6		4.1		7		93				<0.2		1.0	
IM12	Fine	Moderate	16:17	8.8	Surface	1.0	0.2	278	29.8	29.8	8.4	8.4	10.7	10.7	139.0	139.0	9.9	9.4	4.3	4.0	6	6	87	90	821452	812041	<0.2	<0.2	1.0	1.0
						1.0	0.2	290	29.8		8.4		10.7		138.9		9.9		4.3		7		87				<0.2		1.0	
					Middle	4.4	0.4	298	29.1	29.1	8.4	8.4	14.0	14.0	125.9	124.8	9.0		3.6		6		90				<0.2		1.1	
						4.4	0.5	309	29.1		8.4		14.0		123.6		8.8		3.7		7		90				<0.2		1.0	
					Bottom	7.8	0.4	323	24.8	24.9	7.8	7.8	28.0	27.9	60.8	61.5	4.3	4.4	4.1		6		93				<0.2		1.0	
						7.8	0.4	323	24.9		7.8		27.8		62.1		4.4		4.1		6		93				<0.2		1.1	
SR1A	Fine	Moderate	16:34	4.9	Surface	1.0	-	-	29.9	29.9	8.6	8.6	12.7	12.7	165.7	165.6	11.7	11.7	3.9	5.1	6	6	-	-	819976	812654	-	-	-	-
						1.0	-	-	29.9		8.6		12.7		165.5		11.7		3.8		6		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	29.8	29.8	8.5	8.5	14.2	14.2	134.8	134.8	9.5	9.5	6.4		6		-				-		-	
						3.9	-	-	29.7		8.5		14.2		134.8		9.5		6.4		7		-				-		-	
SR2	Fine	Moderate	16:47	4.8	Surface	1.0	0.1	129	29.8	29.8	8.5	8.5	10.0	10.0	134.4	134.2	9.6	9.6	4.6	6.2	6	6	86	88	821481	814178	<0.2	<0.2	1.1	1.0
						1.0	0.1	138	29.8		8.5		10.0		133.9		9.6		5.1		6		86				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	26	28.9	28.9	8.2	8.2	15.7	15.7	111.3	111.5	7.9	7.9	7.6		6		89				<0.2		1.0	
						3.8	0.0	26	28.9		8.2		15.7		111.6		7.9		7.4		6		90				<0.2		1.1	
SR3	Fine	Rough	15:38	8.3	Surface	1.0	0.3	280	29.8	29.8	8.3	8.3	8.7	8.7	111.5	111.4	8.1	7.4	4.9	5.5	6	6	-	-	822149	807583	-	-	-	-
						1.0	0.3	306	29.8		8.3		8.7		111.2		8.0		4.9		5		-				-		-	
					Middle	4.2	0.3	212	28.8	28.8	8.1	8.1	11.1	11.1	94.3	94.2	6.8		4.7		6		-				-		-	
						4.2	0.3	212	28.8		8.1		11.1		94.0		6.8		4.7		5		-				-		-	
					Bottom	7.3	0.1	251	26.1	26.1	7.8	7.8	24.0	24.0	67.9	68.0	4.8	4.8	6.8		6		-				-		-	
						7.3	0.1	269	26.1		7.8		24.0		68.0		4.8		7.2		7		-				-		-	
SR4A	Fine	Calm	17:19	9.1	Surface	1.0	0.1	44	30.6	30.6	8.6	8.6	10.5	10.5	143.9	144.0	10.2	9.7	10.7	11.5	9	8	-	-	817202	807826	-	-	-	-
						1.0	0.1	47	30.6		8.6		10.5		144.0		10.2		11.7		9		-				-		-	
					Middle	4.6	0.1	298	30.4	30.4	8.5	8.5	16.3	16.3	133.1	133.0	9.2		10.7		9		-				-		-	
						4.6	0.1	327	30.4		8.5		16.3		132.8		9.1		10.7		8		-				-		-	
					Bottom	8.1	0.2	247	25.9	25.9	7.9	7.9	25.6	26.6	50.9	50.9	3.5	3.5	12.7		7		-				-		-	
						8.1	0.2	254	25.9		7.9		27.6		50.9		3.5		12.5		6		-				-		-	
SR5A	Fine	Calm	17:36	3.5	Surface	1.0	0.2	247	30.7	30.7	8.6	8.6	15.5	15.5	146.6	146.6	10.1	10.1	8.5	9.2	8	8	-	-	816614	810702	-	-	-	-
						1.0	0.2	270	30.7		8.6		15.5		146.5		10.1		8.7		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	288	30.5	30.5	8.6	8.6	15.9	15.9	137.8	137.8	9.5	9.5	10.0		9		-				-		-	
						2.5	0.1	290	30.5		8.6		15.9		137.7		9.5		9.9		9		-				-		-	
SR6A	Fine	Calm	18:10	4.0	Surface	1.0	0.0	284	30.5	30.5	8.8	8.8	13.3	13.2	179.9	179.8	12.5	12.5	8.6	10.7	9	9	-	-	817944	814734	-	-	-	-
						1.0	0.0	288	30.5		8.8		13.2		179.7		12.5		8.8		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	285	30.7	30.7	8.8	8.8	13.9	13.9	170.3	170.3	11.8	11.8	12.7		9		-				-		-	
						3.0	0.0	287	30.7		8.8		13.9		170.2		11.8		12.8		8		-				-		-	
SR7	Fine	Moderate	17:41	15.7	Surface	1.0	0.1	169	29.3	29.3	8.6	8.6	13.2	13.2	159.6	158.9	11.4	8.4	3.1	3.6	6	6	-	-	823655	823763	-	-	-	-
						1.0	0.1	169	29.2		8.6		13.2		158.1		11.3		3.0		6		-				-		-	
					Middle	7.9	0.2	159	24.9	24.9	7.9	7.9	27.4	27.3	76.7	76.7	5.4		3.3		6		-				-		-	
						7.9	0.2	172	24.9		7.9		27.3		76.6		5.4		3.3		5		-				-		-	
					Bottom	14.7	0.1	118	23.3	23.3	7.9	7.9	31.6	31.6	65.2	65.9	4.6	4.7	4.4		5		-				-		-	
						14.7	0.1	129	23.3		7.9		31.6		66.6		4.7		4.3		5		-				-		-	
SR8	Fine	Moderate	16:26	5.2	Surface	1.0	-	-	29.8	29.8	8.5	8.5	11.9	11.9	152.0	151.9	10.8	10.8	4.3	8.5	6	6	-	-	820378	811633	-	-	-	-
						1.0	-	-	29.8		8.5		11.9		151.7		10.8		4.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	29.4	29.4	8.4	8.4	12.8	12.8	133.1	133.0	9.5	9.5	12.7		6		-				-		-	
						4.2	-	-	29.4		8.4		12.8		132.9		9.5		12.8		7		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	12:07	8.7	Surface	1.0	0.4	184	30.0	30.0	8.4	8.4	11.4	11.4	134.9	134.9	9.6	9.3	5.7	7.1	9	8	87	88	815597	804239	<0.2	<0.2	1.0	0.9
						1.0	0.4	193	30.0		8.4		11.4		134.8		9.6		5.8		8		86				<0.2		1.0	
					Middle	4.4	0.5	188	29.8	29.8	8.3	8.3	11.5	11.5	124.8	124.8	8.9		5.9		8		87				<0.2		0.9	
						4.4	0.5	206	29.7		8.3		11.5		124.7		8.9		5.9		8		88				<0.2		0.9	
					Bottom	7.7	0.8	214	25.2	25.2	7.9	7.9	27.3	27.4	57.9	58.0	4.1	4.1	9.7		8		89				<0.2		0.9	
						7.7	0.8	218	25.1		7.9		27.5		58.0		4.1		9.5		8		89				<0.2		0.9	
C2	Sunny	Moderate	13:07	10.7	Surface	1.0	0.2	136	29.6	29.6	8.2	8.2	10.0	10.0	103.5	103.4	7.5	5.9	5.0	4.3	6	6	81	86	825680	806951	<0.2	<0.2	1.1	1.0
						1.0	0.2	138	29.6		8.2		10.0		103.2		7.4		5.1		5		81				<0.2		1.0	
					Middle	5.4	0.5	143	25.7	25.8	7.9	7.9	24.3	24.2	61.2	61.2	4.4		2.5		6		86				<0.2		1.0	
						5.4	0.5	147	25.8		7.9		24.2		61.2		4.4		2.5		6		86				<0.2		1.1	
					Bottom	9.7	0.5	140	24.4	24.4	7.8	7.8	28.6	28.7	48.4	48.3	3.4	3.4	5.4		6		90				<0.2		1.0	
						9.7	0.5	146	24.3		7.8		28.8		48.2		3.4		5.5		6		89				<0.2		1.0	
C3	Sunny	Moderate	10:49	12.4	Surface	1.0	0.4	285	28.9	28.9	8.4	8.4	14.9	14.9	136.3	136.3	9.7	8.7	2.0	2.8	5	5	82	86	822129	817809	<0.2	<0.2	0.9	1.0
						1.0	0.4	298	28.9		8.4		14.9		136.2		9.7		2.1		5		82				<0.2		0.9	
					Middle	6.2	0.2	256	27.5	27.5	8.2	8.2	19.4	19.4	109.4	109.3	7.8		2.0		5		86				<0.2		0.9	
						6.2	0.2	264	27.5		8.2		19.4		109.2		7.7		2.1		6		86				<0.2		0.9	
					Bottom	11.4	0.1	123	24.6	24.6	7.9	7.9	27.5	27.6	62.2	62.0	4.4	4.4	4.3		5		90				<0.2		1.3	
						11.4	0.1	134	24.6		7.9		27.7		61.8		4.4		4.5		6		90				<0.2		1.2	
IM1	Sunny	Moderate	12:26	4.5	Surface	1.0	0.1	134	29.6	29.6	8.5	8.5	12.6	12.6	134.8	134.8	9.6	9.6	7.5	10.7	9	9	85	87	817925	807123	<0.2	<0.2	0.9	0.9
						1.0	0.1	135	29.6		8.5		12.6		134.7		9.6		7.5		9		86				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	311	24.5	24.6	7.8	7.8	29.9	29.8	42.8	42.8	3.0	3.0	13.8		8		88				<0.2		0.9	
						3.5	0.1	315	24.6		7.8		29.8		42.8		3.0		13.8		9		89				<0.2		1.0	
IM2	Sunny	Moderate	12:33	6.3	Surface	1.0	0.3	354	29.4	29.4	8.4	8.4	14.9	14.8	125.1	125.0	8.8	7.2	6.8	10.6	8	8	86	87	818182	806183	<0.2	<0.2	0.9	0.9
						1.0	0.3	326	29.4		8.4		14.8		124.9		8.8		6.8		7		85				<0.2		0.9	
					Middle	3.2	0.1	348	27.4	27.4	8.1	8.1	20.5	20.5	80.7	78.4	5.7		10.1		8		87				<0.2		0.9	
						3.2	0.1	351	27.4		8.1		20.6		76.1		5.4		10.6		8		87				<0.2		1.0	
					Bottom	5.3	0.0	176	24.0	24.0	7.8	7.8	30.8	30.9	41.5	41.8	2.9	3.0	14.7		8		89				<0.2		0.9	
						5.3	0.0	188	24.0		7.8		30.9		42.1		3.0		14.4		8		89				<0.2		0.9	
IM3	Sunny	Moderate	12:39	6.4	Surface	1.0	0.2	224	29.9	29.9	8.6	8.6	12.7	12.7	151.9	151.7	10.7	7.3	6.7	8.7	8	8	86	87	818793	805584	<0.2	<0.2	0.9	1.0
						1.0	0.2	238	29.9		8.6		12.7		151.5		10.7		6.8		7		85				<0.2		1.0	
					Middle	3.2	0.2	214	26.0	26.0	7.9	7.9	27.1	27.1	55.0	55.6	3.8		9.0		9		87				<0.2		1.0	
						3.2	0.2	231	26.0		7.9		27.1		56.2		3.9		9.0		8		88				<0.2		1.0	
					Bottom	5.4	0.1	222	23.9	23.9	7.9	7.9	31.4	31.4	41.1	41.2	2.9	2.9	10.3		8		89				<0.2		1.0	
						5.4	0.1	233	23.9		7.9		31.4		41.3		2.9		10.2		9		89				<0.2		0.9	
IM4	Sunny	Moderate	12:49	7.1	Surface	1.0	1.0	194	29.9	29.9	8.3	8.3	9.5	9.6	118.2	118.1	8.5	6.6	6.1	11.9	8	8	86	88	819735	804603	<0.2	<0.2	1.0	1.0
						1.0	1.0	202	29.9		8.3		9.7		117.9		8.5		6.1		6		86				<0.2		1.0	
					Middle	3.6	0.7	199	26.8	26.8	8.0	8.0	22.2	22.2	67.5	67.3	4.8		13.9		8		88				<0.2		1.0	
						3.6	0.7	205	26.8		8.0		22.2		67.1		4.7		14.0		7		87				<0.2		0.9	
					Bottom	6.1	0.3	191	25.2	25.2	7.9	7.9	27.6	27.5	44.9	44.9	3.2	3.2	15.7		9		89				<0.2		1.0	
						6.1	0.3	195	25.2		7.9		27.5		44.8		3.2		15.7		9		90				<0.2		1.0	
IM5	Sunny	Moderate	12:58	7.0	Surface	1.0	0.9	210	29.8	29.8	8.3	8.3	10.8	10.8	124.9	124.9	8.9	8.7	6.3	9.3	6	7	86	87	820742	804857	<0.2	<0.2	1.0	1.1
						1.0	0.9	214	29.7		8.3		10.8		124.9		8.9		6.2		6		86				<0.2		0.9	
					Middle	3.5	0.9	225	29.4	29.4	8.3	8.3	12.3	12.3	118.4	118.2	8.5		6.8		6		87				<0.2		1.0	
						3.5	0.9	236	29.4		8.3		12.3		117.9		8.4		7.0		7		87				<0.2		0.9	
					Bottom	6.0	0.5	211	27.4	27.4	8.1	8.1	20.3	20.3	82.4	82.5	5.8	5.8	14.6		8		89				<0.2		1.7	
						6.0	0.5	213	27.4		8.1		20.3		82.5		5.8		15.0		7		89				<0.2		1.0	
IM6	Sunny	Moderate	13:06	6.6	Surface	1.0	0.7	257	30.0	30.0	8.4	8.4	11.4	11.4	130.9	130.9	9.3	8.3	6.1	7.5	8	8	86	88	821051	805847	<0.2	<0.2	1.0	1.0
						1.0	0.7	272	29.9		8.4		11.4		130.8		9.3		6.1		7		86				<0.2		1.0	
					Middle	3.3	0.7	249	28.6	28.6	8.2	8.2	14.8	14.9	101.5	101.4	7.2		4.9		7		87				<0.2		0.9	
						3.3	0.7	270	28.6		8.2		14.9		101.3		7.2		4.8		8		88				<0.2		1.1	
					Bottom	5.6	0.3	243	26.2	26.2	8.0	8.0	25.1	25.1	66.8	66.9	4.7	4.7	11.4		9		90				<0.2		1.0	
						5.6	0.3	248	26.2		8.0		25.1		67.0		4.7		11.4		8		89				<0.2		0.9	
IM7	Sunny	Moderate	13:15	7.6	Surface	1.0	0.6	250	29.8	29.8	8.4	8.4	12.1	12.1	136.5	134.3	9.7	8.4	6.2	8.6	8	8	84	87	821367	806833	<0.2	<0.2	0.9	1.5
						1.0	0.7	271	29.8		8.4		12.1		132.1		9.4		6.3		8		86				<0.2		1.0	
					Middle	3.8	0.7	249	28.6	28.6	8.2	8.2	15.6	15.5	101.3	101.5	7.2		6.3		8		87				<0.2		1.0	
						3.8	0.7	271	28.6		8.2		15.5		101.7		7.2		6.7		8		88				<0.2		1.0	
					Bottom	6.6	0.2	225	25.5	25.5	7.9	7.9	27.0	27.0	58.8	59.2	4.1	4.2	13.2		8		89				<0.2		4.0	
						6.6	0.2	232	25.5		7.9		27.0		59.5		4.2		13.1		9		89				<0.2		0.9	
IM8	Sunny	Moderate	12:36	7.8	Surface	1.0	0.2	255	29.6	29.6	8.3	8.3	10.9	10.9	121.8	121.8	8.7	8.1	4.2	3.9	6	6	82	86	821823	808122	<0.2	<0.2	1.2	1.2
						1.0	0.2	279	29.6		8.3		10.9		121.7		8.7		4.2		7		82				<0.2		1.2	
					Middle	3.9	0.4	188	28.6	28.6	8.2	8.2	13.9	13.9	104.4	104.3	7.5		4.2		6		87				<0.2		1.2	
						3.9	0.4	203	28.6		8.2		13.9		104.1		7.5		4.2		5		86				<0.2		1.2	
					Bottom	6.8	0.2	233	28.2	28.2	8.1	8.1	15.6	15.5	95.4	95.4	6.8	6.8	3.5		5		90				<0.2		1.2	
						6.8	0.2	246	28.2		8.1		15.5		95.3		6.8		3.4		5		90				<0.2		1.3	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	12:28	7.1	Surface	1.0	0.2	134	29.6	29.6	8.3	8.3	10.5	10.6	122.6	122.6	8.8	8.4	4.6	4.1	6	6	82	86	822110	808808	<0.2	<0.2	1.3	1.3
						1.0	0.2	142	29.6		8.3		10.6		122.6		8.8		4.6		6		82				<0.2		1.2	
					Middle	3.6	0.5	149	28.9	28.9	8.2	8.2	12.6	12.6	109.3	109.2	7.9		4.2		7		86				<0.2		1.2	
						3.6	0.5	159	28.9		8.2		12.7		109.1		7.9		4.2		6		87				<0.2		1.2	
					Bottom	6.1	0.2	122	28.3	28.3	8.1	8.1	14.7	14.8	97.4	97.2	7.0	7.0	3.6		6		90				<0.2		1.3	
						6.1	0.2	128	28.3		8.1		14.8		96.9		7.0		3.8		7		90				<0.2		1.4	
IM10	Sunny	Moderate	12:18	8.3	Surface	1.0	0.8	121	29.7	29.7	8.3	8.3	10.3	10.3	118.8	118.8	8.5	8.2	4.3	4.8	6	6	82	86	822388	809810	<0.2	<0.2	1.2	1.2
						1.0	0.9	122	29.7		8.3		10.3		118.7		8.5		4.4		6		82				<0.2		1.1	
					Middle	4.2	0.8	119	29.0	29.1	8.2	8.2	12.6	12.8	108.8	108.9	7.8		4.6		5		87				<0.2		1.4	
						4.2	0.8	123	29.1		8.2		13.0		108.9		7.8		4.6		6		86				<0.2		1.2	
					Bottom	7.3	0.5	97	27.6	27.6	8.0	8.0	17.8	17.8	85.7	85.8	6.1	6.1	5.4		5		90				<0.2		1.2	
						7.3	0.5	98	27.6		8.0		17.8		85.8		6.1		5.5		6		90				<0.2		1.1	
IM11	Sunny	Moderate	11:59	7.5	Surface	1.0	1.0	90	29.3	29.3	8.3	8.3	11.7	11.7	116.6	116.6	8.4	7.3	4.2	5.6	6	6	82	86	822056	811442	<0.2	<0.2	1.2	1.3
						1.0	1.0	92	29.3		8.3		11.7		116.5		8.4		4.2		6		82				<0.2		1.2	
					Middle	3.8	0.7	91	27.4	27.5	8.0	8.0	18.8	18.8	86.4	86.6	6.2		4.4		6		86				<0.2		1.3	
						3.8	0.7	97	27.5		8.0		18.7		86.8		6.2		4.4		5		87				<0.2		1.3	
					Bottom	6.5	0.3	75	25.4	25.4	7.8	7.8	25.2	25.3	56.9	56.9	4.1	4.1	8.2		5		90				<0.2		1.3	
						6.5	0.3	76	25.3		7.8		25.3		56.8		4.0		8.4		5		91				<0.2		1.3	
IM12	Sunny	Moderate	11:50	9.6	Surface	1.0	0.5	97	29.4	29.4	8.4	8.4	12.4	12.4	126.2	126.1	9.0	8.0	4.1	5.6	6	6	82	87	821451	812034	<0.2	<0.2	1.1	1.1
						1.0	0.5	103	29.4		8.4		12.4		125.9		9.0		4.2		6		86				<0.2		1.2	
					Middle	4.8	0.4	119	28.1	28.1	8.1	8.1	16.1	16.1	97.9	97.8	7.0		5.4		6		86				<0.2		1.1	
						4.8	0.4	123	28.1		8.1		16.1		97.7		7.0		5.4		6		86				<0.2		1.1	
					Bottom	8.6	0.2	94	25.1	25.2	7.8	7.8	26.0	26.0	56.0	56.2	4.0	4.0	7.2		7		90				<0.2		1.1	
						8.6	0.2	99	25.2		7.8		25.9		56.4		4.0		7.2		7		90				<0.2		1.2	
SR1A	Sunny	Moderate	11:29	5.5	Surface	1.0	-	-	29.5	29.5	8.5	8.5	13.5	13.5	139.8	139.7	9.9	9.9	2.8	3.4	6	6	-	-	819977	812654	-	-	-	-
						1.0	-	-	29.4		8.5		13.6		139.6		9.9		2.8		5		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	27.9	27.9	8.2	8.2	17.8	17.8	96.5	96.4	6.9	6.9	4.1		6		-				-		-	
						4.5	-	-	27.9		8.2		17.8		96.3		6.8		3.9		5		-				-		-	
SR2	Sunny	Moderate	11:14	4.8	Surface	1.0	0.4	101	29.0	29.0	8.4	8.4	12.9	12.9	125.4	125.2	9.0	9.0	4.2	4.2	7	7	82	84	821452	814158	<0.2	<0.2	1.1	1.1
						1.0	0.4	109	29.0		8.4		12.9		125.0		9.0		4.2		6		82				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	88	28.2	28.2	8.2	8.2	15.8	15.7	101.5	101.6	7.3	7.3	4.2		7		87				<0.2		1.1	
						3.8	0.2	90	28.2		8.2		15.6		101.7		7.3		4.3		7		86				<0.2		1.1	
SR3	Sunny	Moderate	12:43	8.4	Surface	1.0	0.2	239	29.6	29.6	8.3	8.3	10.8	10.8	121.5	121.5	8.7	7.6	4.5	5.5	6	6	-	-	822150	807587	-	-	-	-
						1.0	0.2	241	29.6		8.3		10.8		121.5		8.7		4.4		6		-				-		-	
					Middle	4.2	0.4	184	28.0	28.0	8.1	8.1	15.8	15.8	91.5	91.4	6.6		3.7		6		-				-		-	
						4.2	0.5	196	28.0		8.1		15.9		91.3		6.5		3.7		7		-				-		-	
					Bottom	7.4	0.2	194	25.0	25.0	7.8	7.8	26.5	26.5	46.3	46.3	3.3	3.3	8.0		5		-				-		-	
						7.4	0.2	194	25.0		7.8		26.6		46.2		3.3		8.3		6		-				-		-	
SR4A	Sunny	Moderate	11:44	8.6	Surface	1.0	0.1	241	30.1	30.1	8.6	8.5	12.2	12.2	142.2	142.0	10.0	7.1	7.2	10.0	9	9	-	-	817174	807830	-	-	-	-
						1.0	0.1	247	30.1		8.5		12.2		141.8		10.0		7.2		11		-				-		-	
					Middle	4.3	0.2	233	26.9	26.9	8.0	8.0	22.7	22.6	59.4	59.4	4.2		10.2		10		-				-		-	
						4.3	0.2	233	26.9		8.0		22.4		59.3		4.2		10.4		10		-				-		-	
					Bottom	7.6	0.1	240	24.1	24.1	7.8	7.8	30.8	30.8	38.0	38.0	2.7	2.7	12.5		7		-				-		-	
						7.6	0.1	243	24.1		7.8		30.8		38.0		2.7		12.6		7		-				-		-	
SR5A	Sunny	Moderate	11:28	3.5	Surface	1.0	0.1	243	29.9	29.9	8.5	8.5	14.8	14.8	126.7	126.5	8.9	8.9	7.1	11.7	9	9	-	-	816573	810713	-	-	-	-
						1.0	0.1	264	29.8		8.5		14.9		126.2		8.8		7.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.0	274	29.5	29.5	8.3	8.3	17.2	17.2	102.1	102.1	7.1	7.1	16.3		8		-				-		-	
						2.5	0.0	275	29.5		8.3		17.2		102.1		7.1		16.3		9		-				-		-	
SR6A	Sunny	Moderate	10:59	4.0	Surface	1.0	0.1	31	28.5	28.5	8.3	8.3	16.7	16.7	98.8	98.6	7.0	7.0	16.3	16.1	13	13	-	-	817984	814736	-	-	-	-
						1.0	0.1	33	28.5		8.3		16.7		98.4		7.0		16.2		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	14	28.2	28.2	8.1	8.1	18.9	18.9	84.1	84.1	5.9	5.9	15.9		12		-				-		-	
						3.0	0.0	14	28.2		8.1		18.9		84.1		5.9		15.9		12		-				-		-	
SR7	Sunny	Moderate	10:10	14.6	Surface	1.0	0.6	61	29.3	29.3	8.5	8.5	12.7	12.7	143.3	143.3	10.2	9.8	3.0	2.7	6	6	-	-	823631	823733	-	-	-	-
						1.0	0.7	66	29.3		8.5		12.7		143.2		10.2		3.2		6		-				-		-	
					Middle	7.3	0.2	14	28.6	28.6	8.4	8.4	14.8	14.8	132.0	132.0	9.4		2.7		6		-				-		-	
						7.3	0.2	14	28.6		8.4		14.8		131.9		9.4		2.7		6		-				-		-	
					Bottom	13.6	0.2	55	24.7	24.8	7.9	7.9	27.2	27.2	72.0	72.2	5.1	5.1	2.5		5		-				-		-	
						13.6	0.2	57	24.8		7.9		27.1		72.3		5.1		2.5		6		-				-		-	
SR8	Sunny	Moderate	11:39	5.3	Surface	1.0	-	-	29.2	29.2	8.4	8.4	13.5	13.5	133.6	133.4	9.5	9.5	4.0	7.3	9	9	-	-	820384	811619	-	-	-	-
						1.0	-	-	29.2		8.4		13.5		133.2		9.5		4.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	27.4	27.4	8.1	8.1	19.4	19.4	86.5	86.6	6.1	6.2	10.7		8		-				-		-	
						4.3	-	-	27.4		8.1		19.4		86.6		6.2		10.6		10		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	18:05	7.7	Surface	1.0	0.4	15	29.7	29.7	8.3	8.3	13.0	13.0	113.2	112.0	8.0	6.6	9.5	8.0	14	16	86	87	815607	804247	<0.2	<0.2	1.1	1.1
						1.0	0.5	16	29.7		8.3		13.0		110.7		7.8		9.2		15		86				<0.2		1.2	
					Middle	3.9	0.2	12	27.9	27.9	8.1	8.1	18.3	18.3	76.3	75.0	5.4		6.9		15		87				<0.2		1.2	
						3.9	0.2	12	27.9		8.1		18.3		73.7		5.2		6.9		16		87				<0.2		1.1	
					Bottom	6.7	0.4	44	24.7	24.7	7.8	7.8	28.9	28.9	42.5	42.6	3.0	3.0	8.0		18		89				<0.2		1.1	
						6.7	0.4	48	24.7		7.8		28.8		42.6		3.0		7.8		17		89				<0.2		1.1	
C2	Sunny	Moderate	16:56	10.5	Surface	1.0	0.3	350	29.0	29.0	8.0	8.0	10.4	10.4	89.6	89.7	6.5	6.1	6.8	7.8	7	8	83	87	825693	806930	<0.2	<0.2	1.1	1.1
						1.0	0.3	322	29.0		8.0		10.4		89.7		6.5		6.7		8		84				<0.2		1.1	
					Middle	5.3	0.4	28	27.6	27.6	8.0	8.0	16.6	16.6	79.5	79.5	5.7		6.1		7		87				<0.2		1.1	
						5.3	0.4	30	27.6		8.0		16.6		79.4		5.7		6.1		8		87				<0.2		1.1	
					Bottom	9.5	0.4	346	25.3	25.3	7.8	7.8	25.4	25.4	54.1	54.2	3.9	3.9	10.2		8		91				<0.2		1.1	
						9.5	0.4	318	25.3		7.8		25.4		54.3		3.9		10.7		8		92				<0.2		1.2	
C3	Fine	Moderate	18:55	11.8	Surface	1.0	0.3	241	29.5	29.5	8.6	8.6	12.7	12.7	150.0	149.9	10.7	7.8	3.2	4.3	7	6	83	87	822105	817803	<0.2	<0.2	1.7	1.5
						1.0	0.3	250	29.5		8.6		12.7		149.7		10.6		3.2		6		84				<0.2		1.6	
					Middle	5.9	0.4	252	25.5	25.5	8.0	8.0	24.9	24.9	69.7	69.7	5.0		2.5		5		87				<0.2		1.6	
						5.9	0.4	252	25.5		8.0		24.9		69.7		5.0		2.5		6		87				<0.2		1.4	
					Bottom	10.8	0.4	266	23.8	23.8	7.8	7.8	29.7	29.7	53.4	53.4	3.8	3.8	7.1		6		91				<0.2		1.5	
						10.8	0.4	270	23.8		7.8		29.7		53.4		3.8		7.1		4		90				<0.2		1.4	
IM1	Sunny	Moderate	17:42	4.0	Surface	1.0	0.0	196	30.3	30.3	8.6	8.6	12.6	12.6	161.6	161.7	11.3	11.3	9.4	9.4	9	11	87	88	817934	807139	<0.2	<0.2	1.0	1.0
						1.0	0.0	209	30.3		8.6		12.6		161.7		11.3		9.4		8		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	215	30.3	30.3	8.6	8.6	12.7	12.7	164.1	163.4	11.5	11.5	9.5		14		89				<0.2		0.9	
						3.0	0.1	229	30.3		8.6		12.7		162.6		11.4		9.3		14		89				<0.2		1.0	
IM2	Sunny	Moderate	17:35	6.2	Surface	1.0	0.6	340	28.8	28.8	8.4	8.4	14.3	14.4	125.3	124.6	8.9	8.3	10.3	12.3	18	17	86	88	818157	806183	<0.2	<0.2	0.9	0.9
						1.0	0.6	358	28.8		8.4		14.4		123.8		8.8		11.3		19		85				<0.2		1.0	
					Middle	3.1	0.5	331	28.5	28.5	8.3	8.3	16.2	16.2	109.9	109.7	7.8		14.5		18		87				<0.2		1.0	
						3.1	0.6	342	28.5		8.3		16.2		109.5		7.8		14.6		17		88				<0.2		0.9	
					Bottom	5.2	0.4	337	27.6	27.6	8.1	8.1	21.7	21.7	76.6	76.0	5.4	5.4	11.7		15		90				<0.2		0.9	
						5.2	0.5	310	27.6		8.1		21.7		75.4		5.3		11.4		14		89				<0.2		0.9	
IM3	Sunny	Moderate	17:26	6.5	Surface	1.0	0.8	323	28.9	28.9	8.4	8.4	14.9	14.9	128.7	128.1	9.1	8.2	9.3	10.9	8	8	86	88	818767	805596	<0.2	<0.2	1.0	1.0
						1.0	0.8	345	28.8		8.4		15.0		127.4		9.1		9.6		8		86				<0.2		1.0	
					Middle	3.3	0.7	326	28.5	28.5	8.3	8.3	17.8	17.8	103.4	103.0	7.3		10.8		9		87				<0.2		0.9	
						3.3	0.8	336	28.5		8.3		17.8		102.5		7.2		10.8		8		88				<0.2		1.0	
					Bottom	5.5	0.5	318	24.6	24.6	7.9	7.9	29.7	29.7	45.2	45.5	3.2	3.2	12.4		8		90				<0.2		1.0	
						5.5	0.5	324	24.6		7.9		29.7		45.7		3.2		12.6		9		90				<0.2		1.1	
IM4	Sunny	Moderate	17:14	7.0	Surface	1.0	0.6	326	30.0	30.0	8.5	8.5	13.1	13.1	146.3	146.2	10.3	10.0	6.9	7.3	10	8	85	87	819741	804614	<0.2	<0.2	1.0	1.0
						1.0	0.7	349	29.9		8.5		13.1		146.0		10.3		7.0		9		86				<0.2		0.9	
					Middle	3.5	0.6	311	29.9	29.9	8.5	8.5	13.4	13.4	141.0	138.4	9.9		7.3		7		87				<0.2		1.0	
						3.5	0.6	322	29.9		8.5		13.4		135.8		9.6		7.3		8		87				<0.2		1.0	
					Bottom	6.0	0.2	344	24.9	24.9	7.9	7.9	28.6	28.6	54.2	54.4	3.8	3.8	7.7		8		89				<0.2		0.9	
						6.0	0.2	316	24.9		7.9		28.6		54.6		3.8		7.8		7		89				<0.2		1.0	
IM5	Sunny	Moderate	17:06	6.8	Surface	1.0	0.4	291	30.2	30.2	8.4	8.4	9.9	9.9	128.3	128.3	9.2	9.0	9.8	10.6	6	7	85	87	820740	804887	<0.2	<0.2	1.3	1.3
						1.0	0.4	316	30.2		8.4		10.0		128.2		9.1		9.9		6		86				<0.2		1.3	
					Middle	3.4	0.3	337	30.0	30.0	8.4	8.4	12.2	12.2	126.3	125.6	8.9		10.3		8		87				<0.2		1.2	
						3.4	0.3	338	30.0		8.4		12.2		124.9		8.8		10.5		6		86				<0.2		1.2	
					Bottom	5.8	0.3	342	28.0	28.0	8.1	8.1	17.8	17.8	89.3	89.3	6.3	6.3	11.8		8		89				<0.2		1.3	
						5.8	0.3	342	28.0		8.1		17.8		89.3		6.3		11.2		7		89				<0.2		1.3	
IM6	Sunny	Moderate	16:59	6.2	Surface	1.0	0.6	267	30.2	30.2	8.3	8.3	9.6	9.6	122.2	122.2	8.7	8.5	9.9	9.1	7	6	86	88	821077	805825	<0.2	<0.2	1.3	1.3
						1.0	0.6	276	30.2		8.3		9.6		122.1		8.7		10.0		6		86				<0.2		1.2	
					Middle	3.1	0.5	265	29.3	29.3	8.3	8.3	10.9	10.9	115.6	115.5	8.3		9.9		6		88				<0.2		1.3	
						3.1	0.5	275	29.2		8.3		10.9		115.3		8.3		10.0		6		88				<0.2		1.3	
					Bottom	5.2	0.3	260	28.8	28.8	8.1	8.1	14.2	14.2	98.8	98.9	7.1	7.1	7.0		5		89				<0.2		1.6	
						5.2	0.4	267	28.8		8.1		14.2		99.0		7.1		7.7		5		90				<0.2		1.1	
IM7	Sunny	Moderate	16:57	8.2	Surface	1.0	0.6	255	29.9	30.0	8.2	8.2	10.0	10.0	112.7	112.7	8.1	8.0	6.5	9.2	5	5	85	88	821336	806839	<0.2	<0.2	1.3	1.2
						1.0	0.6	272	30.0		8.2		9.9		112.7		8.1		6.5		4		87				<0.2		1.2	
					Middle	4.1	0.7	258	29.7	29.7	8.2	8.2	11.0	11.0	109.1	109.1	7.8		6.8		5		87				<0.2		1.3	
						4.1	0.7	264	29.7		8.2		11.0		109.0		7.8		6.9		5		88				<0.2		1.2	
					Bottom	7.2	0.3	239	27.9	27.9	8.1	8.1	14.4	14.5	91.1	90.7	6.6	6.6	14.2		5		90				<0.2		1.2	
						7.2	0.3	244	27.8		8.1		14.6		90.3		6.5		14.4		6		89				<0.2		1.2	
IM8	Sunny	Moderate	17:23	7.9	Surface	1.0	0.3	197	30.6	30.6	8.4	8.4	6.8	6.8	129.1	129.1	9.3	9.1	5.3	6.6	5	5	84	88	821851	808149	<0.2	<0.2	1.3	1.4
						1.0	0.3	207	30.6		8.4		6.8		129.1		9.3		5.2		6		84				<0.2		1.3	
					Middle	4.0	0.2	243	30.0	30.0	8.3	8.3	9.1	9.1	123.2	123.2	8.9		5.1		5		87				<0.2		1.2	
						4.0	0.2	250	30.0		8.3		9.1		123.1		8.9		5.0		5		88				<0.2		1.5	
					Bottom	6.9	0.1	245	28.4	28.4	8.0	8.0	13.8	13.8	90.7	90.8	6.5	6.5	9.4		5		91				<0.2		1.4	
						6.9	0.2	263	28.4		8.0		13.8		90.8		6.5		9.4		5		91				<0.2		1.4	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	17:31	7.3	Surface	1.0	0.2	229	30.4	30.4	8.4	8.4	7.6	7.6	130.2	130.2	9.4	9.3	4.7	6.0	7	6	84	88	822098	808802	<0.2	<0.2	1.5	1.5
						1.0	0.2	231	30.4		8.4		7.6		130.2		9.4		4.7		6		84				<0.2		1.5	
					Middle	3.7	0.2	278	30.2	30.2	8.4	8.4	8.4	8.3	126.0	126.0	9.1		5.0		5		87				<0.2		1.6	
						3.7	0.2	281	30.2		8.4		8.3		126.0		9.1		4.9		6		88				<0.2		1.4	
					Bottom	6.3	0.2	249	28.9	28.9	8.1	8.1	12.8	12.7	103.1	103.1	7.4	7.4	8.4		6		91				<0.2		1.4	
						6.3	0.3	251	28.9		8.1		12.7		103.1		7.4		8.5		5		91				<0.2		1.5	
IM10	Sunny	Moderate	17:39	7.5	Surface	1.0	0.1	334	30.3	30.3	8.4	8.4	8.2	8.2	132.1	132.1	9.5	9.2	4.4	7.4	5	5	83	87	822393	809795	<0.2	<0.2	1.4	1.4
						1.0	0.1	307	30.3		8.4		8.2		132.1		9.5		4.4		5		84				<0.2		1.4	
					Middle	3.8	0.2	305	29.9	29.9	8.3	8.3	9.7	9.7	123.6	123.5	8.9		4.9		5		88				<0.2		1.4	
						3.8	0.2	330	29.9		8.3		9.7		123.4		8.9		4.9		5		87				<0.2		1.5	
					Bottom	6.5	0.5	299	28.4	28.4	8.1	8.1	15.0	15.0	96.5	96.7	6.9	6.9	13.0		4		91				<0.2		1.4	
						6.5	0.6	312	28.4		8.1		15.0		96.8		6.9		12.9		5		91				<0.2		1.5	
IM11	Sunny	Moderate	17:52	8.3	Surface	1.0	0.4	312	30.1	30.1	8.4	8.4	9.8	9.8	133.5	133.5	9.6	8.7	4.2	7.5	6	6	83	88	822039	811454	<0.2	<0.2	1.4	1.4
						1.0	0.4	313	30.1		8.4		9.8		133.4		9.6		4.3		5		84				<0.2		1.4	
					Middle	4.2	0.5	274	28.7	28.8	8.2	8.2	14.6	14.6	107.4	107.4	7.7		7.0		6		88				<0.2		1.4	
						4.2	0.6	275	28.8		8.2		14.6		107.4		7.7		6.9		5		88				<0.2		1.4	
					Bottom	7.3	0.4	274	26.6	26.6	7.9	7.9	21.2	21.2	71.4	71.4	5.1	5.1	11.3		5		91				<0.2		1.4	
						7.3	0.4	274	26.6		7.9		21.2		71.4		5.1		11.4		6		92				<0.2		1.4	
IM12	Sunny	Moderate	18:01	7.8	Surface	1.0	0.3	289	29.8	29.8	8.4	8.4	11.0	11.0	136.9	136.9	9.8	9.7	5.0	5.5	6	7	83	88	821448	812050	<0.2	<0.2	1.4	1.4
						1.0	0.3	289	29.8		8.4		11.0		136.9		9.8		5.0		7		84				<0.2		1.3	
					Middle	3.9	0.8	276	29.4	29.4	8.4	8.4	13.8	13.8	133.5	133.5	9.5		4.1		7		88				<0.2		1.4	
						3.9	0.8	297	29.3		8.4		13.8		133.4		9.5		4.1		6		88				<0.2		1.4	
					Bottom	6.8	0.1	315	25.8	25.8	7.9	7.9	23.9	23.9	69.9	70.2	5.0	5.0	7.4		7		91				<0.2		1.4	
						6.8	0.1	326	25.8		7.9		23.9		70.4		5.0		7.4		6		92				<0.2		1.4	
SR1A	Sunny	Moderate	18:20	5.2	Surface	1.0	-	-	29.7	29.7	8.5	8.5	12.5	12.5	145.5	145.5	10.3	10.3	4.4	5.3	7	7	-	-	819975	812655	-	-	-	-
						1.0	-	-	29.7		8.5		12.5		145.4		10.3		4.3		7		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	29.8	29.8	8.4	8.4	14.2	14.2	136.4	136.5	9.6	9.6	6.4		7		-				-		-	
						4.2	-	-	29.8		8.4		14.2		136.6		9.6		6.2		6		-				-		-	
SR2	Sunny	Moderate	18:33	4.8	Surface	1.0	0.3	351	29.5	29.5	8.4	8.4	12.6	12.6	143.6	143.6	10.2	10.2	4.1	5.8	6	6	84	85	821444	814173	<0.2	<0.2	1.4	1.4
						1.0	0.3	323	29.5		8.4		12.6		143.6		10.2		4.1		7		83				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	357	28.9	28.9	8.3	8.3	15.1	15.1	130.4	130.5	9.3	9.3	7.7		4		87				<0.2		1.4	
						3.8	0.2	328	28.9		8.3		15.0		130.6		9.3		7.4		5		87				<0.2		1.4	
SR3	Sunny	Moderate	17:17	8.8	Surface	1.0	0.4	185	30.4	30.4	8.4	8.4	7.0	7.0	124.9	124.9	9.0	8.4	5.1	6.4	6	6	-	-	822145	807566	-	-	-	-
						1.0	0.4	185	30.4		8.4		7.0		124.8		9.0		5.2		6		-				-		-	
					Middle	4.4	0.4	183	29.4	29.4	8.2	8.2	10.5	10.5	107.1	107.0	7.7		5.2		6		-				-		-	
						4.4	0.4	198	29.4		8.2		10.6		106.9		7.7		5.2		5		-				-		-	
					Bottom	7.8	0.2	217	28.3	28.3	7.9	7.9	13.9	13.3	87.0	87.0	6.3	6.3	8.9		6		-				-		-	
						7.8	0.3	232	28.3		7.9		12.8		87.0		6.3		9.0		5		-				-		-	
SR4A	Sunny	Moderate	18:23	8.0	Surface	1.0	0.1	181	30.1	30.1	8.5	8.5	14.1	14.1	131.0	130.9	9.2	8.9	12.6	13.9	17	15	-	-	817168	807812	-	-	-	-
						1.0	0.1	198	30.1		8.5		14.1		130.8		9.1		12.6		16		-				-		-	
					Middle	4.0	0.1	259	30.0	30.0	8.4	8.4	17.1	17.0	124.7	124.6	8.6		12.0		15		-				-		-	
						4.0	0.1	263	30.0		8.4		17.0		124.4		8.6		12.0		16		-				-		-	
					Bottom	7.0	0.0	262	28.2	28.2	8.2	8.2	21.1	21.2	93.6	93.5	6.5	6.5	17.1		12		-				-		-	
						7.0	0.0	272	28.1		8.2		21.2		93.4		6.5		17.3		12		-				-		-	
SR5A	Sunny	Moderate	18:39	3.7	Surface	1.0	0.1	319	30.1	30.1	8.5	8.5	16.1	16.1	136.2	136.3	9.4	9.4	10.4	12.5	9	10	-	-	816616	810714	-	-	-	-
						1.0	0.1	323	30.1		8.5		16.1		136.3		9.4		10.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	329	29.9	29.9	8.4	8.4	16.7	16.7	126.7	126.7	8.8	8.8	15.2		11		-				-		-	
						2.7	0.1	357	29.9		8.4		16.7		126.6		8.8		14.1		12		-				-		-	
SR6A	Sunny	Moderate	19:12	3.7	Surface	1.0	0.0	219	30.1	30.1	8.5	8.5	13.5	13.5	150.5	150.4	10.5	10.5	6.6	7.2	7	8	-	-	817967	814759	-	-	-	-
						1.0	0.0	219	30.1		8.5		13.5		150.3		10.5		6.7		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.0	47	30.3	30.3	8.5	8.5	14.8	14.8	143.2	143.0	9.9	9.9	7.7		8		-				-		-	
						2.7	0.0	49	30.3		8.5		14.8		142.8		9.9		7.7		9		-				-		-	
SR7	Fine	Moderate	19:30	14.4	Surface	1.0	0.0	117	27.6	27.6	8.3	8.3	19.6	19.6	113.3	113.3	8.0	7.5	2.5	4.2	5	4	-	-	823656	823762	-	-	-	-
						1.0	0.0	121	27.6		8.3		19.6		113.2		8.0		2.5		4		-				-		-	
					Middle	7.2	0.1	185	26.6	26.6	8.2	8.2	22.9	22.9	99.3	99.2	7.0		2.9		4		-				-		-	
						7.2	0.1	198	26.6		8.2		22.9		99.0		7.0		3.0		5		-				-		-	
					Bottom	13.4	0.1	79	23.3	23.3	7.9	7.9	30.8	30.8	53.3	53.4	3.8	3.8	7.2		3		-				-		-	
						13.4	0.1	86	23.3		7.9		30.7		53.4		3.8		7.1		3		-				-		-	
SR8	Sunny	Moderate	18:11	4.4	Surface	1.0	-	-	29.8	29.8	8.4	8.4	11.8	11.8	133.7	133.8	9.5	9.5	7.3	7.3	9	11	-	-	820406	811642	-	-	-	-
						1.0	-	-	29.8		8.4		11.8		133.8		9.5				9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	29.4	29.4	8.3	8.3	12.7	12.7	127.2	127.2	9.1	9.1	7.4		12		-				-		-	
						3.4	-	-	29.4		8.3		12.7		127.2		9.1		7.4		13		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	12:59	8.4	Surface	1.0	0.5	219	27.9	28.0	8.0	8.0	22.3	22.3	82.3	82.4	5.7	5.1	4.6	6.3	3	5	82	87	815616	804243	<0.2	<0.2	0.8	0.8
						1.0	0.5	232	28.0		8.0		22.2		82.4		5.7		4.6		4		83				<0.2		0.7	
					Middle	4.2	0.5	210	25.7	25.7	8.0	8.0	26.3	26.4	62.2	62.1	4.4		5.8		6		88				<0.2		0.9	
						4.2	0.5	210	25.7		8.0		26.4		62.0		4.4		5.8		5		89				<0.2		0.9	
					Bottom	7.4	0.5	220	24.2	24.3	7.9	7.9	30.4	30.4	48.4	48.6	3.4	3.4	8.6		6		91				<0.2		0.8	
						7.4	0.5	241	24.3		7.9		30.3		48.7		3.4		8.5		5		91				<0.2		0.9	
C2	Sunny	Moderate	11:50	11.6	Surface	1.0	0.3	205	28.3	28.3	8.0	8.0	18.0	18.0	82.1	82.0	5.8	4.8	3.0	7.6	4	4	86	88	825695	806957	<0.2	<0.2	1.0	1.0
						1.0	0.3	208	28.3		8.0		18.0		81.8		5.8		3.1		3		87				<0.2		1.0	
					Middle	5.8	0.5	196	26.1	26.1	7.9	7.9	22.5	22.5	53.7	53.5	3.8		8.9		4		88				<0.2		1.0	
						5.8	0.6	207	26.0		7.9		22.5		53.3		3.8		8.3		4		89				<0.2		0.9	
					Bottom	10.6	0.4	154	24.2	24.2	7.9	7.9	28.7	28.7	53.6	53.7	3.8	3.8	11.0		4		90				<0.2		0.9	
						10.6	0.4	168	24.2		7.9		28.7		53.8		3.8		11.3		4		90				<0.2		0.9	
C3	Sunny	Moderate	13:33	11.1	Surface	1.0	0.3	83	25.9	25.9	7.9	7.9	24.9	24.9	66.8	66.7	4.7	4.6	5.7	6.7	10	9	87	89	822087	817813	<0.2	<0.2	1.0	1.2
						1.0	0.3	85	25.8		7.9		25.0		66.6		4.7		5.7		10		88				<0.2		1.0	
					Middle	5.6	0.1	42	24.8	24.7	7.9	7.9	26.2	26.2	62.9	61.2	4.5		6.9		9		89				<0.2		1.2	
						5.6	0.1	45	24.6		7.9		26.2		59.5		4.3		7.1		9		89				<0.2		1.2	
					Bottom	10.1	0.2	83	24.5	24.5	7.9	7.9	28.7	28.7	59.8	60.1	4.2	4.3	7.4		8		90				<0.2		1.3	
						10.1	0.2	89	24.5		7.9		28.7		60.4		4.3		7.3		9		90				<0.2		1.2	
IM1	Sunny	Moderate	12:49	5.4	Surface	1.0	0.1	237	27.3	27.3	8.0	8.0	23.2	23.2	71.9	72.0	5.0	5.0	5.3	6.5	4	5	84	86	817972	807139	<0.2	<0.2	0.9	0.7
						1.0	0.1	246	27.3		8.0		23.2		72.0		5.0		5.3		5		85				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	161	25.6	25.7	8.0	8.0	27.1	27.1	53.7	53.9	3.8	3.8	7.6		5		86				<0.2		0.6	
						4.4	0.2	165	25.7		8.0		27.1		54.0		3.8		7.8		4		87				<0.2		0.7	
IM2	Sunny	Moderate	12:29	7.5	Surface	1.0	0.1	183	26.5	26.5	7.9	7.9	23.7	23.7	68.3	68.1	4.8	4.3	5.2	8.2	4	4	88	89	818145	806185	<0.2	<0.2	0.7	0.7
						1.0	0.2	188	26.4		7.9		23.8		67.9		4.8		5.3		4		87				<0.2		0.8	
					Middle	3.8	0.2	167	25.3	25.3	7.9	7.9	27.0	27.0	52.5	52.3	3.7		9.5		5		88				<0.2		0.7	
						3.8	0.2	175	25.2		7.9		27.1		52.1		3.7		9.7		4		89				<0.2		0.7	
					Bottom	6.5	0.1	117	24.8	24.9	7.9	7.9	28.8	28.8	52.4	52.6	3.7	3.7	9.8		4		92				<0.2		0.7	
						6.5	0.1	119	24.9		7.9		28.8		52.8		3.7		9.9		4		92				<0.2		0.8	
IM3	Sunny	Moderate	12:22	7.9	Surface	1.0	0.1	165	25.8	25.8	7.9	7.9	26.2	26.3	58.6	58.5	4.1	**3.9**	8.0	8.7	4	5	84	89	818806	805575	<0.2	<0.2	0.7	0.7
						1.0	0.1	167	25.7		7.9		26.4		58.4		4.1		8.0		4		85				<0.2		0.7	
					Middle	4.0	0.3	150	25.1	25.1	7.9	7.9	28.0	28.0	50.9	51.0	3.6		8.5		6		88				<0.2		0.7	
						4.0	0.3	150	25.1		7.9		28.0		51.0		3.6		8.7		5		88				<0.2		0.8	
					Bottom	6.9	0.4	125	24.9	25.0	7.9	7.9	28.6	28.6	53.3	53.4	3.8	3.8	9.5		6		93				<0.2		0.7	
						6.9	0.4	127	25.0		7.9		28.5		53.5		3.8		9.5		6		94				<0.2		0.7	
IM4	Sunny	Moderate	12:15	8.8	Surface	1.0	0.6	194	25.8	25.8	7.9	7.9	25.8	25.9	55.3	55.3	3.9	**3.9**	9.1	9.1	4	5	84	90	819704	804608	<0.2	<0.2	0.7	0.7
						1.0	0.6	209	25.8		7.9		25.9		55.3		3.9		8.9		3		86				<0.2		0.7	
					Middle	4.4	0.6	176	25.5	25.5	7.9	7.9	26.6	26.6	55.3	55.3	3.9		8.3		4		89				<0.2		0.7	
						4.4	0.6	187	25.4		7.9		26.6		55.2		3.9		8.4		5		90				<0.2		0.7	
					Bottom	7.8	0.5	159	24.6	24.6	7.9	7.9	29.4	29.4	48.5	48.6	3.4	3.4	9.9		5		94				<0.2		0.8	
						7.8	0.5	173	24.6		7.9		29.4		48.7		3.4		9.9		6		94				<0.2		0.7	
IM5	Sunny	Moderate	12:09	8.2	Surface	1.0	0.6	218	26.2	26.2	7.9	7.9	24.8	24.9	60.4	60.4	4.3	4.2	7.9	8.6	4	4	87	90	820736	804859	<0.2	<0.2	0.8	0.8
						1.0	0.6	228	26.1		7.9		25.0		60.4		4.3		7.8		4		87				<0.2		0.8	
					Middle	4.1	0.5	191	25.4	25.4	7.9	7.9	26.7	26.7	56.2	56.2	4.0		8.5		4		90				<0.2		0.8	
						4.1	0.5	204	25.3		7.9		26.7		56.2		4.0		8.7		4		91				<0.2		0.8	
					Bottom	7.2	0.4	174	24.9	25.0	7.9	7.9	29.1	29.1	50.3	50.4	3.5	3.5	9.3		5		93				<0.2		0.8	
						7.2	0.4	185	25.0		7.9		29.0		50.5		3.5		9.2		5		94				<0.2		0.9	
IM6	Sunny	Moderate	11:59	8.1	Surface	1.0	0.4	256	27.2	27.2	8.0	8.0	21.8	21.8	66.6	66.6	4.7	4.2	6.9	8.0	3	4	86	91	821075	805832	<0.2	<0.2	0.8	0.8
						1.0	0.4	276	27.2		8.0		21.8		66.5		4.7		7.0		4		87				<0.2		0.8	
					Middle	4.1	0.3	188	25.3	25.3	7.9	7.9	27.2	27.2	52.5	52.5	3.7		8.1		3		90				<0.2		0.9	
						4.1	0.3	188	25.3		7.9		27.3		52.5		3.7		8.2		4		91				<0.2		0.8	
					Bottom	7.1	0.3	182	25.3	25.3	7.9	7.9	27.6	27.6	56.0	56.2	3.9	4.0	9.0		4		96				<0.2		0.9	
						7.1	0.3	192	25.3		7.9		27.6		56.3		4.0		8.9		5		96				<0.2		0.8	
IM7	Sunny	Moderate	11:50	8.9	Surface	1.0	0.2	246	27.2	27.2	8.0	8.0	21.6	21.6	69.5	69.5	4.9	4.5	7.3	8.6	3	4	86	90	821335	806827	<0.2	<0.2	0.9	0.9
						1.0	0.2	249	27.2		8.0		21.7		69.4		4.9		7.5		3		86				<0.2		0.9	
					Middle	4.5	0.1	264	26.2	26.2	8.0	8.0	24.5	24.5	58.8	58.8	4.1		8.7		4		89				<0.2		0.9	
						4.5	0.1	280	26.2		8.0		24.5		58.8		4.1		8.8		4		90				<0.2		0.8	
					Bottom	7.9	0.1	157	25.5	25.5	8.0	8.0	26.9	26.9	53.3	53.5	3.8	3.8	9.7		5		93				<0.2		1.0	
						7.9	0.1	163	25.5		8.0		26.9		53.6		3.8		9.6		4		94				<0.2		0.9	
IM8	Sunny	Moderate	12:12	8.0	Surface	1.0	0.1	178	28.3	28.3	8.0	8.0	18.3	18.3	83.5	83.1	5.9	5.4	3.9	6.8	5	5	86	88	821834	808134	<0.2	<0.2	0.8	0.9
						1.0	0.1	182	28.3		8.0		18.3		82.6		5.8		4.0		4		86				<0.2		0.9	
					Middle	4.0	0.1	165	26.9	26.9	7.9	7.9	21.2	21.2	69.8	69.8	5.0		5.0		6		88				<0.2		0.9	
						4.0	0.1	170	26.8		7.9		21.2		69.7		5.0		5.4		5		89				<0.2		0.9	
					Bottom	7.0	0.1	52	25.9	25.9	7.8	7.8	23.7	23.7	62.7	63.0	4.5	4.5	10.7		6		90				<0.2		0.8	
						7.0	0.1	55	25.9		7.8		23.7		63.2		4.5		11.8		6		90				<0.2		0.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	12:19	7.5	Surface	1.0	0.2	113	27.7	27.7	8.0	8.0	19.1	19.2	84.1	84.0	6.0	5.5	2.7	6.3	5	6	86	89	822098	808822	<0.2	<0.2	0.9	0.9
						1.0	0.2	114	27.6		8.0		19.2		83.8		5.9		2.8		6		87				<0.2		1.0	
					Middle	3.8	0.3	106	26.6	26.6	7.9	7.9	22.0	22.1	71.1	70.6	5.1		6.5		6		89				<0.2		1.0	
						3.8	0.3	113	26.5		7.9		22.3		70.0		5.0		7.0		5		89				<0.2		0.9	
					Bottom	6.5	0.2	94	26.2	26.2	7.9	7.9	23.0	23.0	61.7	61.8	4.4	4.4	9.3		6		90				<0.2		0.9	
						6.5	0.2	98	26.2		7.9		23.0		61.8		4.4		9.3		7		91				<0.2		0.9	
IM10	Sunny	Moderate	12:25	8.0	Surface	1.0	0.9	118	28.1	28.1	7.9	7.9	19.3	19.3	75.3	75.0	5.3	4.8	4.2	8.6	6	5	86	88	822387	809779	<0.2	<0.2	0.9	0.9
						1.0	1.0	124	28.1		7.9		19.3		74.7		5.2		4.5		5		86				<0.2		0.9	
					Middle	4.0	0.8	107	26.3	26.3	7.9	7.9	22.8	22.9	60.4	60.3	4.3		8.8		5		89				<0.2		0.9	
						4.0	0.8	110	26.2		7.9		23.0		60.1		4.3		9.6		6		88				<0.2		0.8	
					Bottom	7.0	0.5	103	26.1	26.1	7.9	7.9	23.4	23.4	60.3	60.4	4.3	4.3	12.1		5		90				<0.2		0.8	
						7.0	0.5	106	26.1		7.9		23.4		60.4		4.3		12.1		4		90				<0.2		0.8	
IM11	Sunny	Moderate	12:34	8.3	Surface	1.0	0.8	122	27.9	27.9	8.0	8.0	19.3	19.3	81.7	81.7	5.8	5.6	2.7	6.8	5	6	86	88	822062	811446	<0.2	<0.2	0.8	0.9
						1.0	0.9	128	27.9		8.0		19.3		81.7		5.8		2.7		5		87				<0.2		0.9	
					Middle	4.2	0.7	119	27.3	27.3	7.9	7.9	20.1	20.1	74.7	74.5	5.3		4.2		6		88				<0.2		0.9	
						4.2	0.7	122	27.2		7.9		20.2		74.3		5.3		4.5		5		88				<0.2		0.8	
					Bottom	7.3	0.4	124	26.1	26.1	7.9	7.9	23.2	23.2	63.3	63.4	4.5	4.5	13.0		6		90				<0.2		0.9	
						7.3	0.4	127	26.1		7.9		23.2		63.4		4.5		13.7		7		91				<0.2		0.9	
IM12	Sunny	Moderate	12:42	8.2	Surface	1.0	0.7	101	27.8	27.8	8.0	7.9	19.4	19.4	82.6	82.6	5.8	5.4	3.3	8.6	4	5	86	88	821435	812056	<0.2	<0.2	0.8	0.8
						1.0	0.7	103	27.8		7.9		19.4		82.5		5.8		3.7		5		86				<0.2		0.8	
					Middle	4.1	0.4	80	26.8	26.8	7.9	7.9	21.7	21.7	70.2	70.2	5.0		9.3		5		87				<0.2		1.0	
						4.1	0.4	82	26.8		7.9		21.7		70.2		5.0		9.2		5		88				<0.2		0.8	
					Bottom	7.2	0.3	93	26.2	26.2	7.9	7.9	23.1	23.1	63.0	63.1	4.5	4.5	13.1		5		90				<0.2		0.8	
						7.2	0.4	99	26.2		7.9		23.1		63.2		4.5		13.2		5		91				<0.2		0.8	
SR1A	Sunny	Moderate	13:01	5.3	Surface	1.0	-	-	27.8	27.8	8.0	8.0	20.4	20.5	82.7	82.6	5.8	5.8	4.2	4.3	5	4	-	-	819974	812665	-	-	-	-
						1.0	-	-	27.7		8.0		20.6		82.5		5.8		4.2		4		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	27.4	27.5	8.0	8.0	21.3	21.3	76.5	76.5	5.4	5.4	4.5		4		-				-		-	
						4.3	-	-	27.5		8.0		21.3		76.5		5.4		4.5		4		-				-		-	
SR2	Sunny	Moderate	13:13	4.4	Surface	1.0	0.7	74	27.4	27.6	8.0	8.0	20.6	20.5	77.2	77.6	5.4	5.5	5.8	6.4	4	4	88	89	821484	814184	<0.2	<0.2	1.0	1.1
						1.0	0.7	75	27.7		8.0		20.5		78.0		5.5		6.1		3		89				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.3	57	26.5	26.5	8.0	8.0	22.7	22.6	71.9	72.1	5.1	5.1	6.8		4		90				<0.2		1.0	
						3.4	0.3	59	26.5		8.0		22.6		72.2		5.1		6.8		4		90				<0.2		1.2	
SR3	Sunny	Moderate	12:07	8.4	Surface	1.0	0.2	211	27.9	28.0	8.0	8.0	18.9	18.8	77.2	76.7	5.5	4.9	5.5	8.5	3	4	-	-	822132	807591	-	-	-	-
						1.0	0.2	227	28.0		8.0		18.8		76.1		5.4		5.8		4		-				-		-	
					Middle	4.2	0.2	173	26.1	26.1	7.9	7.9	22.8	22.8	61.1	61.2	4.4		8.7		4		-				-		-	
						4.2	0.2	177	26.1		7.9		22.8		61.3		4.4		8.9		5		-				-		-	
					Bottom	7.4	0.1	58	25.7	25.7	7.8	7.8	24.4	24.4	62.7	63.3	4.5	4.5	11.0		4		-				-		-	
						7.4	0.1	60	25.7		7.8		24.4		63.9		4.5		11.3		5		-				-		-	
SR4A	Sunny	Calm	13:16	9.6	Surface	1.0	0.2	246	26.9	26.9	7.9	7.9	23.7	23.7	70.1	70.2	4.9	4.3	7.5	9.0	3	5	-	-	817192	807812	-	-	-	-
						1.0	0.2	266	26.8		7.9		23.7		70.2		4.9		7.6		4		-				-		-	
					Middle	4.8	0.1	231	25.6	25.6	7.9	7.9	26.5	26.6	51.4	51.4	3.6		8.4		4		-				-		-	
						4.8	0.1	240	25.6		7.9		26.6		51.3		3.6		8.5		5		-				-		-	
					Bottom	8.6	0.0	296	25.5	25.5	7.9	7.9	26.9	26.9	51.6	51.7	3.6	3.6	11.0		6		-				-		-	
						8.6	0.0	311	25.5		7.9		26.9		51.7		3.6		10.9		6		-				-		-	
SR5A	Sunny	Calm	13:35	4.3	Surface	1.0	0.1	323	28.0	28.0	8.1	8.1	21.3	21.4	85.7	85.8	6.0	6.0	8.6	9.3	5	6	-	-	816577	810715	-	-	-	-
						1.0	0.1	347	27.9		8.1		21.4		85.9		6.0		8.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	286	27.5	27.5	8.0	8.0	22.3	22.3	73.9	74.2	5.2	5.2	10.1		6		-				-		-	
						3.3	0.2	303	27.5		8.0		22.2		74.4		5.2		10.0		6		-				-		-	
SR6A	Sunny	Calm	14:15	4.1	Surface	1.0	0.2	31	28.3	28.3	8.1	8.1	21.0	21.0	86.9	86.5	6.0	6.0	11.8	12.5	7	8	-	-	817947	814724	-	-	-	-
						1.0	0.2	32	28.3		8.1		21.0		86.0		6.0		11.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	241	26.2	26.2	8.0	8.0	25.9	25.9	64.0	64.2	4.5	4.5	13.2		9		-				-		-	
						3.1	0.1	261	26.2		8.0		25.9		64.3		4.5		13.2		10		-				-		-	
SR7	Sunny	Moderate	14:01	16.7	Surface	1.0	0.6	52	27.9	27.9	8.0	8.0	20.9	20.9	87.8	87.6	6.1	5.7	3.1	2.9	7	6	-	-	823649	823729	-	-	-	-
						1.0	0.6	56	27.9		8.0		20.8		87.4		6.1		3.1		7		-				-		-	
					Middle	8.4	0.5	70	26.3	26.3	8.0	8.0	23.3	23.4	75.3	75.3	5.3		2.8		6		-				-		-	
						8.4	0.5	75	26.3		8.0		23.4		75.3		5.3		2.9		7		-				-		-	
					Bottom	15.7	0.4	33	26.2	26.2	8.0	8.0	23.7	23.7	75.7	75.9	5.4	5.4	2.9		5		-				-		-	
						15.7	0.5	33	26.2		8.0		23.8		76.1		5.4		2.8		5		-				-		-	
SR8	Sunny	Moderate	12:52	4.8	Surface	1.0	-	-	28.2	28.2	8.0	8.0	19.9	19.9	81.7	81.8	5.7	5.7	15.0	12.7	7	6	-	-	820410	811636	-	-	-	-
						1.0	-	-	28.2		8.0		19.9		81.9		5.7		15.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.3	28.3	8.0	8.0	20.0	20.1	82.6	82.8	5.8	5.8	10.5		5		-				-		-	
						3.8	-	-	28.3		8.0		20.1		83.0		5.8		10.4		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	06:49	8.0	Surface	1.0	0.7	33	26.9	26.9	7.9	7.9	22.4	22.5	69.4	69.3	4.9	4.4	6.5	7.9	9	8	87	92	815602	804252	<0.2	<0.2	0.9	1.0
						1.0	0.7	33	26.8		7.9		22.5		69.2		4.9		6.6		8		88				<0.2		0.9	
					Middle	4.0	0.6	21	25.6	25.6	7.9	7.9	26.3	26.4	56.1	56.0	4.0		8.3		7		93				<0.2		1.0	
						4.0	0.6	22	25.5		7.9		26.5		55.8		3.9		8.5		8		94				<0.2		0.9	
					Bottom	7.0	0.3	16	24.7	24.7	7.9	7.9	28.9	28.9	46.9	46.9	3.3	3.3	8.8		7		96				<0.2		1.0	
						7.0	0.3	16	24.6		7.9		29.0		46.9		3.3		8.8		8		96				<0.2		1.0	
C2	Sunny	Moderate	07:30	12.2	Surface	1.0	0.5	349	28.3	28.3	8.0	8.0	15.3	15.2	83.4	83.4	6.0	5.3	3.6	6.2	6	6	86	88	825701	806926	<0.2	<0.2	0.9	0.8
						1.0	0.5	357	28.3		8.0		15.2		83.3		6.0		3.6		6		86				<0.2		0.8	
					Middle	6.1	0.5	2	26.8	26.8	7.9	7.9	20.9	20.9	63.3	63.2	4.5		5.7		6		88				<0.2		0.9	
						6.1	0.6	2	26.7		7.9		21.0		63.1		4.5		6.0		6		89				<0.2		0.8	
					Bottom	11.2	0.6	358	25.7	25.7	7.9	7.9	24.6	24.6	57.2	57.2	4.1	4.1	9.1		5		90				<0.2		0.8	
						11.2	0.6	329	25.7		7.9		24.6		57.2		4.1		9.2		5		91				<0.2		0.8	
C3	Cloudy	Moderate	05:44	11.8	Surface	1.0	0.5	281	27.3	27.2	8.0	8.0	18.0	18.1	79.6	79.4	5.7	5.2	3.1	3.7	7	5	86	89	822126	817811	<0.2	<0.2	1.0	1.0
						1.0	0.6	304	27.1		8.0		18.1		79.2		5.7		3.0		8		88				<0.2		1.0	
					Middle	5.9	0.5	280	26.2	26.2	7.9	7.9	23.5	23.5	65.6	65.2	4.7		3.5		5		89				<0.2		1.0	
						5.9	0.5	290	26.2		7.9		23.6		64.8		4.6		3.6		5		89				<0.2		1.0	
					Bottom	10.8	0.3	293	24.2	24.2	7.9	7.9	28.6	28.6	58.6	58.9	4.2	4.2	4.6		4		90				<0.2		1.1	
						10.8	0.4	322	24.2		7.9		28.6		59.2		4.2		4.5		3		90				<0.2		1.0	
IM1	Fine	Moderate	07:06	5.2	Surface	1.0	0.3	357	26.4	26.4	7.9	7.9	24.2	24.2	59.2	59.1	4.2	4.2	7.6	8.5	3	4	89	91	817966	807113	<0.2	<0.2	0.9	1.0
						1.0	0.3	328	26.4		7.9		24.2		58.9		4.1		7.8		3		90				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	294	25.2	25.2	7.9	7.9	27.9	27.9	51.9	52.1	3.7	3.7	9.4		5		91				<0.2		0.9	
						4.2	0.2	304	25.2		7.9		27.9		52.2		3.7		9.2		4		92				<0.2		1.1	
IM2	Fine	Moderate	07:14	7.8	Surface	1.0	0.5	27	27.3	27.3	8.0	8.0	20.9	20.9	74.3	74.2	5.2	4.6	5.4	7.1	4	5	88	92	818169	806177	<0.2	<0.2	1.0	1.0
						1.0	0.5	27	27.2		8.0		20.9		74.1		5.2		5.5		4		89				<0.2		0.9	
					Middle	3.9	0.4	22	26.3	26.3	7.9	7.9	23.8	23.8	56.2	56.2	4.0		7.6		5		91				<0.2		0.9	
						3.9	0.5	24	26.3		7.9		23.8		56.1		4.0		7.6		5		91				<0.2		0.9	
					Bottom	6.8	0.2	321	25.0	25.0	7.9	7.9	28.3	28.3	48.9	49.2	3.4	3.5	8.2		4		95				<0.2		1.0	
						6.8	0.2	346	25.0		7.9		28.3		49.5		3.5		8.2		5		95				<0.2		1.0	
IM3	Fine	Moderate	07:20	8.0	Surface	1.0	0.4	1	26.7	26.7	7.9	7.9	21.6	21.6	66.4	66.2	4.7	4.3	6.4	7.4	4	4	87	92	818785	805602	<0.2	<0.2	1.0	1.0
						1.0	0.4	1	26.6		7.9		21.7		65.9		4.7		6.5		3		88				<0.2		1.0	
					Middle	4.0	0.4	335	25.8	25.8	7.9	7.9	25.1	25.1	54.7	54.7	3.9		7.1		3		93				<0.2		1.0	
						4.0	0.5	346	25.7		7.9		25.2		54.7		3.9		7.1		4		94				<0.2		1.0	
					Bottom	7.0	0.4	308	24.9	24.9	7.9	7.9	28.3	28.3	51.0	51.2	3.6	3.6	8.8		5		95				<0.2		1.0	
						7.0	0.4	336	24.9		7.9		28.3		51.3		3.6		8.8		5		96				<0.2		1.1	
IM4	Fine	Moderate	07:29	8.8	Surface	1.0	0.9	10	27.2	27.2	7.9	7.9	21.3	21.4	66.9	66.8	4.7	4.3	5.9	7.0	3	5	88	92	819729	804583	<0.2	<0.2	1.0	1.0
						1.0	0.9	10	27.1		7.9		21.4		66.7		4.7		6.0		4		88				<0.2		1.0	
					Middle	4.4	0.8	343	26.2	26.2	7.9	7.9	24.1	24.1	54.6	54.6	3.9		7.2		5		91				<0.2		1.0	
						4.4	0.8	344	26.2		7.9		24.1		54.5		3.9		7.2		5		92				<0.2		1.0	
					Bottom	7.8	0.6	329	24.7	24.7	7.9	7.9	28.7	28.7	46.6	46.7	3.3	3.3	8.0		6		97				<0.2		1.0	
						7.8	0.6	345	24.7		7.9		28.7		46.7		3.3		8.0		5		96				<0.2		1.1	
IM5	Fine	Moderate	07:36	7.4	Surface	1.0	1.1	2	26.7	26.7	7.9	7.9	22.8	22.8	61.4	61.3	4.3	4.3	6.5	6.8	3	3	88	93	820743	804857	<0.2	<0.2	1.0	1.0
						1.0	1.2	2	26.7		7.9		22.8		61.2		4.3		6.6		3		89				<0.2		1.0	
					Middle	3.7	1.2	3	26.6	26.6	7.9	7.9	23.0	23.0	59.3	59.3	4.2		6.7		3		93				<0.2		1.0	
						3.7	1.2	3	26.6		7.9		23.0		59.2		4.2		6.6		3		93				<0.2		0.9	
					Bottom	6.4	0.8	14	25.3	25.3	7.9	7.9	27.1	27.1	49.6	49.7	3.5	3.5	7.0		4		96				<0.2		1.0	
						6.4	0.8	14	25.3		7.9		27.1		49.7		3.5		7.1		3		96				<0.2		1.0	
IM6	Fine	Moderate	07:43	8.0	Surface	1.0	0.1	212	27.8	27.8	8.0	8.0	18.4	18.4	79.7	79.7	5.7	5.4	6.8	7.5	3	4	89	92	821053	805851	<0.2	<0.2	1.0	1.0
						1.0	0.1	214	27.8		8.0		18.4		79.7		5.7		7.0		4		90				<0.2		1.0	
					Middle	4.0	0.4	49	27.4	27.4	8.0	7.9	20.5	20.5	71.8	71.7	5.1		7.0		4		93				<0.2		1.0	
						4.0	0.4	52	27.4		7.9		20.5		71.6		5.1		7.0		3		93				<0.2		1.0	
					Bottom	7.0	0.3	72	26.0	26.0	7.9	7.9	25.2	25.2	59.6	59.7	4.2	4.2	8.4		4		94				<0.2		1.0	
						7.0	0.3	78	26.0		7.9		25.2		59.8		4.2		8.6		4		94				<0.2		1.0	
IM7	Fine	Moderate	07:51	9.0	Surface	1.0	0.1	224	28.1	28.1	8.0	8.0	18.4	18.4	78.7	78.7	5.6	5.3	5.6	6.2	4	5	87	92	821355	806811	<0.2	<0.2	1.0	1.0
						1.0	0.1	233	28.0		8.0		18.4		78.6		5.6		5.5		4		88				<0.2		1.0	
					Middle	4.5	0.1	134	27.6	27.6	8.0	8.0	19.9	19.9	70.4	70.3	5.0		6.2		4		91				<0.2		1.0	
						4.5	0.1	138	27.6		8.0		19.9		70.2		5.0		6.2		5		92				<0.2		1.0	
					Bottom	8.0	0.5	75	25.6	25.6	7.9	7.9	26.2	26.2	54.1	54.2	3.8	3.8	6.7		6		96				<0.2		1.0	
						8.0	0.5	75	25.6		7.9		26.2		54.3		3.8		6.8		7		96				<0.2		0.9	
IM8	Sunny	Moderate	07:04	8.3	Surface	1.0	0.2	183	27.4	27.4	7.9	7.9	19.2	19.2	68.9	68.8	4.9	4.9	9.3	12.0	7	8	87	89	821807	808140	<0.2	<0.2	1.0	0.9
						1.0	0.2	187	27.4		7.9		19.3		68.7		4.9		9.6		7		86				<0.2		0.9	
					Middle	4.2	0.1	209	27.3	27.3	7.9	7.9	19.5	19.5	68.3	68.3	4.9		10.8		7		88				<0.2		0.9	
						4.2	0.1	210	27.3		7.9		19.5		68.3		4.9		10.8		6		89				<0.2		0.9	
					Bottom	7.3	0.2	89	26.8	26.9	7.9	7.9	21.2	21.2	64.4	64.7	4.6	4.6	15.9		9		91				<0.2		0.9	
						7.3	0.2	92	26.9		7.9		21.1		64.9		4.6		15.6		9		90				<0.2		0.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	06:58	7.5	Surface	1.0	0.1	313	27.7	27.7	8.0	8.0	17.0	17.0	75.3	75.1	5.4	5.0	5.1	8.5	6	6	86	88	822115	808820	<0.2	<0.2	0.9	0.9
						1.0	0.1	340	27.6		8.0		17.1		74.9		5.4		5.2		4		87				<0.2		0.9	
					Middle	3.8	0.4	289	26.6	26.6	7.9	7.9	21.9	21.9	63.5	63.5	4.5		7.7		5		89				<0.2		0.9	
						3.8	0.4	299	26.6		7.9		21.9		63.5		4.5		7.8		6		88				<0.2		0.9	
					Bottom	6.5	0.3	283	26.6	26.6	7.9	7.9	22.0	22.0	64.7	64.8	4.6	4.6	12.8		6		90				<0.2		0.9	
						6.5	0.3	300	26.6		7.9		22.0		64.8		4.6		12.1		6		90				<0.2		0.9	
IM10	Sunny	Moderate	06:52	8.2	Surface	1.0	0.8	298	27.4	27.4	8.0	8.0	17.5	17.5	76.5	76.4	5.5	5.2	5.0	6.4	6	6	86	88	822361	809810	<0.2	<0.2	0.9	0.9
						1.0	0.9	313	27.4		8.0		17.5		76.2		5.5		5.2		7		86				<0.2		0.9	
					Middle	4.1	0.7	300	26.8	26.9	7.9	7.9	20.7	20.5	68.8	69.0	4.9		6.7		6		88				<0.2		0.9	
						4.1	0.8	312	26.9		7.9		20.4		69.1		4.9		6.4		6		89				<0.2		0.9	
					Bottom	7.2	0.5	306	26.3	26.4	7.9	7.9	23.1	23.0	65.1	65.3	4.6	4.6	7.8		6		90				<0.2		0.9	
						7.2	0.5	327	26.4		7.9		23.0		65.4		4.6		7.3		4		90				<0.2		0.9	
IM11	Sunny	Moderate	06:42	8.5	Surface	1.0	0.9	294	27.7	27.7	8.0	8.0	18.2	18.2	75.7	75.6	5.4	4.9	4.1	9.3	5	5	86	88	822036	811475	<0.2	<0.2	0.8	0.8
						1.0	0.9	294	27.7		8.0		18.2		75.4		5.4		4.6		6		87				<0.2		0.8	
					Middle	4.3	0.6	289	25.5	25.5	7.9	7.9	24.9	25.0	60.0	60.1	4.3		10.9		5		87				<0.2		0.8	
						4.3	0.6	307	25.5		7.9		25.0		60.2		4.3		11.1		4		87				<0.2		0.8	
					Bottom	7.5	0.2	288	25.4	25.4	7.9	7.9	25.4	25.4	61.8	62.1	4.4	4.4	12.6		5		90				<0.2		0.9	
						7.5	0.3	293	25.4		7.9		25.4		62.3		4.4		12.7		4		90				<0.2		0.9	
IM12	Sunny	Moderate	06:36	8.8	Surface	1.0	0.8	304	27.3	27.3	8.0	8.0	19.5	19.5	78.2	78.1	5.6	5.3	4.6	7.7	5	6	86	88	821467	812055	<0.2	<0.2	0.9	0.9
						1.0	0.9	318	27.2		8.0		19.5		78.0		5.6		4.8		5		86				<0.2		0.9	
					Middle	4.4	0.7	305	26.4	26.4	7.9	7.9	22.3	22.4	70.0	70.1	5.0		7.4		6		88				<0.2		0.9	
						4.4	0.8	311	26.4		7.9		22.4		70.1		5.0		7.5		7		89				<0.2		0.8	
					Bottom	7.8	0.3	315	24.9	24.9	7.9	7.9	26.9	26.9	58.7	59.0	4.2	4.2	10.9		8		90				<0.2		0.8	
						7.8	0.3	334	24.9		7.9		26.9		59.3		4.2		11.0		7		90				<0.2		0.8	
SR1A	Sunny	Moderate	06:17	5.1	Surface	1.0	-	-	28.0	28.0	8.0	8.0	17.1	17.2	78.8	78.7	5.6	5.6	3.8	4.1	4	4	-	-	819981	812655	-	-	-	-
						1.0	-	-	28.0		8.0		17.2		78.5		5.6		3.8		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	27.6	27.6	8.0	8.0	19.1	19.1	76.0	76.1	5.4	5.4	4.5		3		-				-		-	
						4.1	-	-	27.6		8.0		19.1		76.1		5.4		4.5		3		-				-		-	
SR2	Cloudy	Moderate	06:04	4.4	Surface	1.0	0.1	169	27.3	27.3	8.0	8.0	19.3	19.3	76.3	76.1	5.4	5.4	4.8	4.9	4	4	87	89	821475	814172	<0.2	<0.2	0.9	0.9
						1.0	0.2	184	27.3		8.0		19.4		75.9		5.4		4.9		4		88				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	197	26.7	26.7	8.0	8.0	21.6	21.6	75.4	75.6	5.4	5.4	4.9		4		90				<0.2		0.8	
						3.4	0.3	205	26.7		8.0		21.6		75.8		5.4		4.9		4		90				<0.2		0.9	
SR3	Sunny	Moderate	07:11	9.1	Surface	1.0	0.2	246	27.7	27.7	7.9	7.9	16.6	16.6	78.5	78.4	5.6	5.3	5.9	10.1	6	5	-	-	822169	807582	-	-	-	-
						1.0	0.3	256	27.7		7.9		16.6		78.2		5.6		6.4		6		-				-		-	
					Middle	4.6	0.2	281	27.0	27.0	7.9	7.9	19.4	19.4	69.3	69.3	5.0		10.5		4		-				-		-	
						4.6	0.2	299	27.0		7.9		19.4		69.2		5.0		10.9		5		-				-		-	
					Bottom	8.1	0.2	59	26.7	26.8	7.9	7.9	21.8	21.7	64.8	65.0	4.6	4.6	13.5		5		-				-		-	
						8.1	0.2	62	26.8		7.9		21.7		65.2		4.6		13.4		4		-				-		-	
SR4A	Fine	Calm	06:27	9.6	Surface	1.0	0.1	230	28.0	28.0	8.0	8.0	19.8	19.8	76.3	76.1	5.4	4.6	7.2	9.3	11	10	-	-	817198	807811	-	-	-	-
						1.0	0.1	236	28.0		8.0		19.8		75.9		5.3		7.2		11		-				-		-	
					Middle	4.8	0.0	84	26.0	26.0	7.9	7.9	25.5	25.6	54.7	54.7	3.8		9.1		10		-				-		-	
						4.8	0.0	88	26.0		7.9		25.6		54.7		3.8		9.2		10		-				-		-	
					Bottom	8.6	0.2	74	25.1	25.1	7.8	7.8	28.0	28.0	50.2	50.4	3.5	3.6	11.5		8		-				-		-	
						8.6	0.2	80	25.1		7.8		28.0		50.6		3.6		11.6		7		-				-		-	
SR5A	Fine	Calm	06:11	3.6	Surface	1.0	0.2	310	28.4	28.4	8.0	8.0	19.4	19.4	85.2	85.2	6.0	6.0	10.3	10.4	5	6	-	-	816581	810705	-	-	-	-
						1.0	0.2	318	28.4		8.0		19.4		85.2		6.0		10.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.3	311	28.4	28.4	8.0	8.0	19.4	19.4	85.9	86.0	6.0	6.0	10.4		7		-				-		-	
						2.6	0.3	322	28.4		8.0		19.4		86.0		6.0		10.5		7		-				-		-	
SR6A	Fine	Calm	05:44	4.3	Surface	1.0	0.1	220	28.1	28.1	7.8	7.8	18.6	18.7	84.6	84.6	6.0	6.0	6.1	6.2	3	4	-	-	817970	814753	-	-	-	-
						1.0	0.1	227	28.1		7.8		18.7		84.6		6.0		6.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	237	28.1	28.1	7.8	7.8	19.0	19.0	84.9	85.1	6.0	6.0	6.3		5		-				-		-	
						3.3	0.1	243	28.1		7.8		19.0		85.2		6.0		6.2		4		-				-		-	
SR7	Cloudy	Moderate	05:11	16.3	Surface	1.0	0.0	223	27.5	27.5	8.0	8.0	19.1	19.1	82.1	82.0	5.8	5.4	2.2	2.7	6	5	-	-	823626	823740	-	-	-	-
						1.0	0.0	232	27.5		8.0		19.1		81.9		5.8		2.2		6		-				-		-	
					Middle	8.2	0.2	335	25.8	25.8	7.8	7.8	24.2	24.3	69.1	68.9	4.9		2.6		5		-				-		-	
						8.2	0.3	356	25.8		7.8		24.3		68.6		4.9		2.6		4		-				-		-	
					Bottom	15.3	0.1	253	23.7	23.7	7.7	7.7	29.9	29.8	51.3	51.5	3.7	3.7	3.4		5		-				-		-	
						15.3	0.1	256	23.7		7.7		29.8		51.6		3.7		3.4		4		-				-		-	
SR8	Sunny	Moderate	06:28	4.8	Surface	1.0	-	-	27.3	27.3	8.0	8.0	19.5	19.5	74.0	74.1	5.3	5.3	4.6	5.1	6	7	-	-	820406	811629	-	-	-	-
						1.0	-	-	27.3		8.0		19.4		74.1		5.3		4.6		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	26.9	26.9	8.0	8.0	20.9	20.9	75.9	76.1	5.4	5.4	5.6		7		-				-		-	
						3.8	-	-	26.9		8.0		20.9		76.3		5.4		5.6		6		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	14:22	8.6	Surface	1.0	0.4	204	27.8	27.8	8.0	8.0	23.3	23.3	88.7	88.7	6.1	6.0	2.9	4.9	5	6	86	89	815618	804263	<0.2	<0.2	0.7	0.8
						1.0	0.4	215	27.8		8.0		23.3		88.7		6.1		2.9		6		85				<0.2		0.7	
					Middle	4.3	0.4	215	27.1	27.1	8.0	8.0	23.8	23.8	84.7	84.7	5.9		3.3		7		88				<0.2		1.0	
						4.3	0.5	215	27.1		8.0		23.8		84.7		5.9		3.2		6		89				<0.2		1.1	
					Bottom	7.6	0.6	217	24.9	24.9	7.9	7.9	27.9	27.9	63.2	63.3	4.5	4.5	8.7		6		92				<0.2		0.7	
						7.6	0.6	218	24.9		7.9		27.9		63.4		4.5		8.6		7		91				<0.2		0.7	
C2	Sunny	Moderate	13:15	11.6	Surface	1.0	0.5	188	27.1	27.1	8.0	8.0	23.3	23.3	70.1	70.1	4.9	4.7	9.0	11.8	8	8	85	88	825662	806959	<0.2	<0.2	0.9	0.9
						1.0	0.5	200	27.1		8.0		23.3		70.1		4.9		9.1		8		85				<0.2		0.9	
					Middle	5.8	0.5	159	26.6	26.6	8.0	8.0	24.6	24.6	64.1	64.1	4.5		12.9		7		88				<0.2		0.9	
						5.8	0.5	164	26.6		8.0		24.6		64.0		4.5		12.9		8		88				<0.2		0.9	
					Bottom	10.6	0.4	139	25.3	25.3	8.1	8.1	28.4	28.4	58.5	58.6	4.1	4.1	13.6		7		90				<0.2		0.9	
						10.6	0.4	139	25.3		8.1		28.5		58.6		4.1		13.6		8		90				<0.2		0.9	
C3	Sunny	Moderate	15:02	12.3	Surface	1.0	0.4	98	26.7	26.7	7.9	7.9	25.7	25.7	72.7	72.7	5.0	4.8	6.3	7.6	8	7	87	90	822120	817783	<0.2	<0.2	0.7	0.7
						1.0	0.5	100	26.7		7.9		25.7		72.7		5.0		6.2		8		87				<0.2		0.7	
					Middle	6.2	0.3	72	25.9	25.8	7.9	7.9	27.2	27.3	65.2	65.2	4.5		7.9		7		90				<0.2		0.7	
						6.2	0.3	78	25.8		7.9		27.5		65.2		4.6		8.3		8		91				<0.2		0.7	
					Bottom	11.3	0.2	67	24.7	24.7	8.0	8.0	29.9	29.9	60.3	60.5	4.2	4.3	8.6		7		91				<0.2		0.7	
						11.3	0.2	69	24.7		8.0		29.9		60.6		4.3		8.3		6		92				<0.2		0.7	
IM1	Fine	Moderate	14:02	5.4	Surface	1.0	0.1	239	28.7	28.7	8.0	7.9	22.0	22.0	86.7	86.6	5.9	5.9	2.8	4.6	3	4	86	88	817943	807153	<0.2	<0.2	0.7	0.8
						1.0	0.2	250	28.7		7.9		22.0		86.4		5.9		2.9		4		86				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	190	25.9	25.9	7.9	7.9	25.2	25.2	64.5	64.8	4.5	4.6	6.4		4		90				<0.2		0.9	
						4.4	0.2	192	25.9		7.9		25.2		65.0		4.6		6.3		4		89				<0.2		0.7	
IM2	Fine	Moderate	13:55	7.6	Surface	1.0	0.2	143	27.9	27.9	7.9	7.9	23.0	23.0	81.8	81.7	5.6	5.3	2.9	5.6	6	7	84	87	818176	806171	<0.2	<0.2	0.6	0.7
						1.0	0.2	144	27.9		7.9		23.1		81.6		5.6		2.9		7		84				<0.2		0.7	
					Middle	3.8	0.2	148	26.1	26.1	7.9	7.9	25.0	25.0	69.4	69.4	4.9		4.6		6		87				<0.2		0.7	
						3.8	0.2	161	26.0		7.9		25.0		69.4		4.9		4.6		7		88				<0.2		0.6	
					Bottom	6.6	0.2	142	25.4	25.4	7.9	7.9	26.6	26.6	63.9	64.0	4.5	4.5	9.3		8		90				<0.2		0.6	
						6.6	0.3	150	25.4		7.9		26.6		64.0		4.5		9.3		7		90				<0.2		0.7	
IM3	Fine	Moderate	13:47	7.9	Surface	1.0	0.2	176	26.9	26.9	7.9	7.9	24.3	24.3	67.1	67.1	4.7	4.6	5.8	8.3	10	10	84	87	818803	805605	<0.2	<0.2	0.8	0.7
						1.0	0.2	189	26.9		7.9		24.3		67.1		4.7		5.8		11		85				<0.2		0.6	
					Middle	4.0	0.3	156	25.7	25.7	7.9	7.9	25.8	25.8	63.4	63.4	4.5		8.1		11		86				<0.2		0.7	
						4.0	0.3	169	25.6		7.9		25.8		63.3		4.5		8.2		10		87				<0.2		0.7	
					Bottom	6.9	0.3	127	25.3	25.3	7.9	7.9	26.8	26.8	62.9	63.0	4.4	4.5	11.1		9		90				<0.2		0.7	
						6.9	0.3	134	25.3		7.9		26.8		63.0		4.5		10.9		8		90				<0.2		0.7	
IM4	Fine	Moderate	13:37	9.1	Surface	1.0	0.7	196	26.3	26.3	7.9	7.9	24.4	24.3	64.7	64.8	4.6	4.5	8.0	13.3	8	9	84	87	819728	804596	<0.2	<0.2	0.7	0.7
						1.0	0.7	213	26.3		7.9		24.3		64.8		4.6		8.1		8		85				<0.2		0.6	
					Middle	4.6	0.6	170	25.2	25.2	7.9	7.9	26.8	26.8	60.2	60.3	4.3		13.4		9		86				<0.2		0.7	
						4.6	0.6	184	25.2		7.9		26.8		60.3		4.3		13.3		8		86				<0.2		0.7	
					Bottom	8.1	0.4	160	25.1	25.1	7.9	7.9	27.1	27.1	60.5	60.6	4.3	4.3	18.6		10		89				<0.2		0.6	
						8.1	0.4	165	25.1		7.9		27.1		60.6		4.3		18.6		9		89				<0.2		0.6	
IM5	Fine	Moderate	13:30	8.4	Surface	1.0	0.4	229	26.8	26.8	7.9	7.9	23.7	23.7	71.4	71.4	5.0	4.7	5.5	9.5	8	9	84	87	820743	804869	<0.2	<0.2	0.6	0.6
						1.0	0.4	245	26.8		7.9		23.7		71.3		5.0		5.5		8		84				<0.2		0.6	
					Middle	4.2	0.4	202	25.6	25.6	7.9	7.9	26.0	26.0	62.0	62.0	4.4		9.2		10		87				<0.2		0.6	
						4.2	0.5	214	25.6		7.9		26.0		61.9		4.4		9.1		9		87				<0.2		0.6	
					Bottom	7.4	0.4	190	25.3	25.3	7.9	7.9	26.6	26.6	61.8	61.9	4.4	4.4	13.8		10		89				<0.2		0.6	
						7.4	0.4	207	25.3		7.9		26.6		61.9		4.4		13.8		9		90				<0.2		0.6	
IM6	Fine	Moderate	13:22	8.1	Surface	1.0	0.5	275	26.8	26.9	7.9	7.9	23.2	23.2	70.4	70.3	4.9	4.7	5.7	10.2	8	9	84	87	821080	805832	<0.2	<0.2	0.8	0.8
						1.0	0.5	297	26.9		7.9		23.2		70.2		4.9		6.0		9		84				<0.2		0.8	
					Middle	4.1	0.3	237	25.7	25.7	7.9	7.9	25.5	25.5	62.5	62.6	4.4		9.9		9		86				<0.2		0.7	
						4.1	0.3	244	25.7		7.9		25.6		62.6		4.4		9.9		8		87				<0.2		0.8	
					Bottom	7.1	0.3	230	25.6	25.6	7.9	7.9	25.8	25.8	62.2	62.3	4.4	4.4	14.8		10		89				<0.2		0.7	
						7.1	0.3	248	25.6		7.9		25.8		62.3		4.4		14.5		11		89				<0.2		0.8	
IM7	Fine	Moderate	13:15	9.5	Surface	1.0	0.1	291	27.2	27.2	7.9	7.9	22.0	22.0	71.9	72.0	5.0	5.0	5.2	7.0	6	7	84	87	821339	806832	<0.2	<0.2	0.8	0.8
						1.0	0.1	314	27.2		7.9		22.0		72.0		5.1		5.3		6		85				<0.2		0.8	
					Middle	4.8	0.2	185	26.5	26.5	7.9	7.9	24.0	24.0	70.9	70.9	5.0		5.4		8		87				<0.2		0.7	
						4.8	0.2	196	26.5		7.9		24.0		70.9		5.0		5.4		7		87				<0.2		0.8	
					Bottom	8.5	0.2	167	26.0	26.0	7.9	7.9	24.9	24.9	68.6	68.8	4.8	4.9	10.3		8		89				<0.2		0.8	
						8.5	0.2	175	26.0		7.9		24.9		68.9		4.9		10.3		8		90				<0.2		0.8	
IM8	Sunny	Moderate	13:39	8.5	Surface	1.0	0.2	32	27.2	27.2	7.9	7.9	23.5	23.5	70.6	70.7	4.9	4.8	7.4	8.5	13	10	85	88	821836	808130	<0.2	<0.2	0.9	0.8
						1.0	0.2	32	27.2		7.9		23.5		70.7		4.9		7.4		12		86				<0.2		0.8	
					Middle	4.3	0.1	162	26.7	26.7	7.9	7.9	24.7	24.6	67.4	67.5	4.7		8.2		8		88				<0.2		0.8	
						4.3	0.1	171	26.7		7.9		24.6		67.5		4.7		8.3		8		88				<0.2		0.8	
					Bottom	7.5	0.1	142	26.7	26.7	8.0	8.0	24.9	24.8	67.6	67.8	4.7	4.7	9.9		8		90				<0.2		0.8	
						7.5	0.1	147	26.7		8.0		24.8		68.0		4.7		9.8		8		91				<0.2		0.8	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	13:46	7.7	Surface	1.0	0.2	79	28.0	28.0	7.9	7.9	22.3	22.3	79.7	79.7	5.5	5.1	5.1	7.4	5	6	85	88	822093	808824	<0.2	<0.2	0.8	0.8
						1.0	0.2	84	28.0		7.9		22.3		79.6		5.5		5.1		4		85				<0.2		0.8	
					Middle	3.9	0.2	112	26.4	26.4	7.9	7.9	25.2	25.2	66.7	66.7	4.7		8.1		7		89				<0.2		0.8	
						3.9	0.2	119	26.4		7.9		25.3		66.6		4.7		8.3		6		89				<0.2		0.8	
					Bottom	6.7	0.2	121	26.3	26.3	8.0	8.0	25.6	25.6	68.5	68.7	4.8	4.8	9.1		7		90				<0.2		0.9	
						6.7	0.2	123	26.3		8.0		25.6		68.8		4.8		8.8		7		90				<0.2		0.8	
IM10	Sunny	Moderate	13:54	8.4	Surface	1.0	0.8	109	28.3	28.3	8.0	8.0	22.3	22.3	84.9	84.9	5.8	5.3	4.6	6.9	10	8	86	88	822371	809816	<0.2	<0.2	0.9	0.9
						1.0	0.8	109	28.3		8.0		22.3		84.8		5.8		4.6		9		86				<0.2		0.8	
					Middle	4.2	0.8	109	26.8	26.8	8.0	8.0	24.7	24.6	68.7	68.8	4.8		5.7		8		88				<0.2		0.8	
						4.2	0.8	115	26.8		8.0		24.5		68.9		4.8		5.6		8		88				<0.2		0.8	
					Bottom	7.4	0.5	99	26.2	26.2	8.0	8.0	25.9	25.9	69.0	69.1	4.8	4.8	10.3		7		90				<0.2		0.9	
						7.4	0.6	107	26.2		8.0		25.9		69.2		4.8		10.5		8		90				<0.2		1.1	
IM11	Sunny	Moderate	14:04	8.2	Surface	1.0	0.9	113	28.3	28.3	8.0	8.0	22.0	22.0	88.4	88.4	6.1	5.6	4.4	10.2	6	6	87	89	822075	811460	<0.2	<0.2	0.8	0.8
						1.0	0.9	114	28.3		8.0		22.0		88.3		6.1		4.4		7		87				<0.2		0.8	
					Middle	4.1	0.8	114	26.8	26.8	8.0	8.0	24.7	24.7	72.0	72.0	5.0		11.4		6		90				<0.2		0.8	
						4.1	0.8	125	26.8		8.0		24.7		72.0		5.0		11.7		6		90				<0.2		0.8	
					Bottom	7.2	0.5	110	26.7	26.7	8.0	8.0	24.8	24.8	72.5	72.6	5.1	5.1	14.6		4		91				<0.2		0.8	
						7.2	0.5	117	26.7		8.0		24.8		72.6		5.1		14.6		5		91				<0.2		0.8	
IM12	Sunny	Moderate	14:11	10.6	Surface	1.0	0.7	112	27.6	27.6	7.9	7.9	22.9	22.9	80.0	80.1	5.6	5.2	5.1	11.4	4	5	86	89	821472	812051	<0.2	<0.2	0.8	0.8
						1.0	0.8	117	27.6		7.9		22.9		80.1		5.6		5.2		4		86				<0.2		0.9	
					Middle	5.3	0.5	103	26.8	26.8	7.9	7.9	24.5	24.5	68.6	68.7	4.8		13.5		5		89				<0.2		0.8	
						5.3	0.6	112	26.8		7.9		24.5		68.7		4.8		13.7		6		89				<0.2		0.8	
					Bottom	9.6	0.4	89	26.3	26.3	7.9	7.9	25.8	25.8	63.5	63.6	4.4	4.5	15.3		6		92				<0.2		0.8	
						9.6	0.4	92	26.3		7.9		25.8		63.7		4.5		15.4		5		92				<0.2		0.8	
SR1A	Sunny	Calm	14:30	5.2	Surface	1.0	-	-	28.0	28.0	8.0	8.0	22.6	22.7	81.8	81.8	5.7	5.7	5.9	7.1	8	8	-	-	819977	812666	-	-	-	-
						1.0	-	-	27.9		8.0		22.7		81.8		5.7		6.0		8		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	27.2	27.2	8.0	8.0	24.1	24.1	75.5	75.6	5.2	5.3	8.2		8		-				-		-	
						4.2	-	-	27.2		8.0		24.1		75.6		5.3		8.4		7		-				-		-	
SR2	Sunny	Moderate	14:43	4.7	Surface	1.0	0.3	85	27.3	27.3	8.0	8.0	23.6	23.6	78.9	79.0	5.5	5.5	6.6	8.8	7	8	85	87	821483	814145	<0.2	<0.2	0.8	0.8
						1.0	0.3	92	27.3		8.0		23.6		79.0		5.5		6.8		7		86				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	71	26.8	26.8	8.0	8.0	24.6	24.6	75.9	76.1	5.3	5.3	10.9		8		89				<0.2		0.8	
						3.7	0.1	72	26.8		8.0		24.6		76.3		5.3		11.0		8		89				<0.2		0.8	
SR3	Sunny	Moderate	13:32	9.9	Surface	1.0	0.1	324	26.7	26.7	7.9	7.9	24.5	24.5	67.6	67.6	4.7	4.6	6.4	10.9	7	7	-	-	822136	807586	-	-	-	-
						1.0	0.1	326	26.7		7.9		24.5		67.6		4.7		6.7		8		-				-		-	
					Middle	5.0	0.2	225	26.3	26.3	7.9	7.9	25.4	25.4	63.3	63.3	4.4		9.1		8		-				-		-	
						5.0	0.2	228	26.3		7.9		25.4		63.3		4.4		9.1		7		-				-		-	
					Bottom	8.9	0.1	227	26.3	26.3	7.9	7.9	25.5	25.5	61.5	61.6	4.3	4.3	17.1		6		-				-		-	
						8.9	0.1	249	26.3		7.9		25.5		61.7		4.3		16.9		6		-				-		-	
SR4A	Fine	Calm	14:46	9.3	Surface	1.0	0.1	267	27.4	27.4	8.0	8.0	23.3	23.3	81.6	81.4	5.7	5.0	3.9	8.3	7	7	-	-	817200	807818	-	-	-	-
						1.0	0.1	291	27.4		8.0		23.3		81.1		5.6		3.9		6		-				-		-	
					Middle	4.7	0.1	38	26.2	26.2	7.9	7.9	24.8	24.8	61.7	61.7	4.3		8.9		7		-				-		-	
						4.7	0.1	40	26.2		7.9		24.8		61.7		4.3		8.9		7		-				-		-	
					Bottom	8.3	0.0	30	26.2	26.2	7.9	7.9	24.9	24.9	61.6	61.9	4.3	4.4	12.0		7		-				-		-	
						8.3	0.0	32	26.2		7.9		24.9		62.1		4.4		12.1		8		-				-		-	
SR5A	Fine	Calm	15:05	3.9	Surface	1.0	0.0	356	28.0	27.9	7.9	7.9	22.7	22.8	82.8	82.6	5.7	5.7	5.4	6.8	7	8	-	-	816571	810713	-	-	-	-
						1.0	0.0	328	27.8		7.9		22.8		82.3		5.7		5.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	14	26.9	26.9	7.9	7.9	23.5	23.5	69.6	69.4	4.9	4.9	8.0		8		-				-		-	
						2.9	0.1	14	26.9		7.9		23.5		69.2		4.9		8.1		8		-				-		-	
SR6A	Fine	Calm	15:38	4.4	Surface	1.0	0.1	71	27.4	27.5	7.9	7.9	23.0	23.0	69.0	69.2	4.8	4.8	9.3	12.6	10	11	-	-	817945	814734	-	-	-	-
						1.0	0.1	72	27.5		7.9		23.0		69.4		4.8		9.7		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	279	25.9	25.9	7.9	7.9	25.4	25.4	55.0	55.2	3.9	3.9	15.7		12		-				-		-	
						3.4	0.1	281	25.9		7.9		25.4		55.3		3.9		15.5		12		-				-		-	
SR7	Sunny	Moderate	15:29	15.9	Surface	1.0	0.8	62	27.6	27.6	8.0	8.0	24.1	24.1	81.5	81.5	5.6	5.5	4.1	3.9	11	10	-	-	823643	823729	-	-	-	-
						1.0	0.9	63	27.6		8.0		24.1		81.5		5.6		4.1		10		-				-		-	
					Middle	8.0	0.5	43	26.9	26.9	8.0	8.0	25.2	25.1	75.9	75.9	5.3		3.9		9		-				-		-	
						8.0	0.5	44	26.9		8.0		25.1		75.9		5.3		3.9		10		-				-		-	
					Bottom	14.9	0.5	28	26.5	26.5	8.0	8.0	25.9	25.9	73.9	74.0	5.1	5.2	3.8		8		-				-		-	
						14.9	0.5	29	26.5		8.0		25.9		74.0		5.2		3.7		9		-				-		-	
SR8	Sunny	Moderate	14:22	5.3	Surface	1.0	-	-	27.7	27.7	8.0	8.0	23.3	23.3	75.4	75.4	5.2	5.2	7.5	9.3	7	6	-	-	820382	811624	-	-	-	-
						1.0	-	-	27.7		8.0		23.4		75.4		5.2		7.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	27.7	27.7	8.0	8.0	23.7	23.7	77.2	77.4	5.3	5.4	11.0		5		-				-		-	
						4.3	-	-	27.7		8.0		23.7		77.6		5.4		11.0		6		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	08:13	8.5	Surface	1.0	0.5	35	26.1	26.1	7.9	7.9	24.4	24.4	67.3	67.3	4.8	4.6	4.6	8.4	8	8	86	89	815607	804228	<0.2	<0.2	0.7	0.7
						1.0	0.5	37	26.1		7.9		24.4		67.3		4.8						87				<0.2		0.6	
					Middle	4.3	0.6	29	25.2	25.2	7.9	7.9	27.0	27.0	61.9	61.8	4.4		9.3		7		89				<0.2		0.8	
						4.3	0.6	31	25.1		7.9		27.1		61.6		4.4		9.4		8		89				<0.2		0.7	
					Bottom	7.5	0.4	30	24.6	24.6	7.9	7.9	28.5	28.5	61.4	61.6	4.4	4.4	11.1		8		91				<0.2		0.6	
						7.5	0.4	32	24.6		7.9		28.5		61.8		4.4		11.4		9		92				<0.2		0.6	
C2	Cloudy	Moderate	08:52	12.6	Surface	1.0	0.5	0	27.7	27.7	7.9	7.9	21.0	21.0	74.6	74.6	5.2	4.9	5.5	11.1	7	7	87	89	825698	806968	<0.2	<0.2	0.7	1.0
						1.0	0.5	0	27.7		7.9		21.0		74.5		5.2		5.6		8		87				<0.2		0.9	
					Middle	6.3	0.5	343	26.9	26.9	7.9	7.9	23.5	23.5	64.5	64.5	4.5		9.9		7		89				<0.2		1.2	
						6.3	0.5	316	26.9		7.9		23.5		64.5		4.5		9.9		6		90				<0.2		1.1	
					Bottom	11.6	0.5	337	25.9	25.9	7.9	7.9	27.0	27.0	59.9	60.1	4.2	4.2	17.9		6		91				<0.2		1.2	
						11.6	0.6	356	25.9		7.9		27.0		60.3		4.2		17.8		6		91				<0.2		1.0	
C3	Cloudy	Moderate	07:01	12.9	Surface	1.0	0.5	267	27.2	27.2	7.9	7.9	22.3	22.3	71.4	71.4	5.0	4.8	5.0	7.8	5	5	86	89	822096	817812	<0.2	<0.2	0.9	0.9
						1.0	0.6	285	27.2		7.9		22.3		71.4		5.0		5.0		5		86				<0.2		1.0	
					Middle	6.5	0.5	258	25.8	25.8	7.9	7.9	26.4	26.4	64.2	64.2	4.5		5.0		4		89				<0.2		0.9	
						6.5	0.6	269	25.7		7.9		26.5		64.2		4.5		5.0		5		90				<0.2		0.9	
					Bottom	11.9	0.5	290	25.1	25.1	7.9	7.9	28.9	28.9	61.1	61.2	4.3	4.3	13.3		4		91				<0.2		0.9	
						11.9	0.5	307	25.1		7.9		28.9		61.3		4.3		13.5		5		91				<0.2		0.9	
IM1	Cloudy	Moderate	08:33	5.8	Surface	1.0	0.2	351	26.1	26.1	7.9	7.9	24.7	24.7	70.6	70.6	5.0	5.0	8.1	9.6	9	9	87	89	817960	807120	<0.2	<0.2	0.6	0.6
						1.0	0.2	323	26.1		7.9		24.7		70.6		5.0		8.1		8		88				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	0.1	356	25.8	25.8	7.9	7.9	25.5	25.5	62.0	62.1	4.4	4.4	11.1		10		90				<0.2		0.7	
						4.8	0.1	328	25.8		7.9		25.5		62.2		4.4		11.2		8		90				<0.2		0.6	
IM2	Cloudy	Moderate	08:41	7.9	Surface	1.0	0.4	20	26.5	26.5	7.9	7.9	23.4	23.4	66.6	66.6	4.7	4.5	5.4	7.4	8	8	85	87	818163	806147	<0.2	<0.2	0.7	0.7
						1.0	0.4	21	26.5		7.9		23.4		66.5		4.7		5.4		10		84				<0.2		0.7	
					Middle	4.0	0.4	17	25.8	25.8	7.9	7.9	25.0	25.0	59.7	59.8	4.2		6.9		8		87				<0.2		0.7	
						4.0	0.4	18	25.8		7.9		25.0		59.8		4.2		6.8		8		88				<0.2		0.7	
					Bottom	6.9	0.3	13	25.6	25.6	7.9	7.9	25.9	25.9	63.6	63.7	4.5	4.5	10.0		7		90				<0.2		0.8	
						6.9	0.3	13	25.6		7.9		25.9		63.8		4.5		10.0		6		90				<0.2		0.7	
IM3	Cloudy	Moderate	08:49	8.2	Surface	1.0	0.5	350	27.0	27.0	7.9	7.9	22.4	22.4	71.9	71.7	5.1	4.7	4.5	8.5	9	9	84	87	818787	805595	<0.2	<0.2	0.8	0.8
						1.0	0.5	322	27.0		7.9		22.4		71.4		5.0		4.5		9		83				<0.2		0.8	
					Middle	4.1	0.4	338	25.5	25.5	7.9	7.9	26.2	26.2	61.1	61.2	4.3		8.4		8		88				<0.2		1.0	
						4.1	0.4	311	25.5		7.9		26.2		61.2		4.3		8.2		8		88				<0.2		0.8	
					Bottom	7.2	0.4	334	25.5	25.5	7.9	7.9	26.3	26.3	62.4	62.5	4.4	4.4	12.7		10		91				<0.2		0.8	
						7.2	0.4	358	25.5		7.9		26.3		62.5		4.4		12.9		10		90				<0.2		0.7	
IM4	Cloudy	Moderate	08:58	9.0	Surface	1.0	0.8	349	26.8	26.8	7.9	7.9	21.6	21.6	70.6	70.6	5.0	4.6	4.5	9.5	5	5	84	87	819729	804597	<0.2	<0.2	0.8	0.8
						1.0	0.8	356	26.8		7.9		21.7		70.5		5.0		4.5		4		84				<0.2		0.8	
					Middle	4.5	0.8	341	25.3	25.3	7.9	7.9	26.2	26.2	57.6	57.6	4.1		9.8		6		88				<0.2		0.8	
						4.5	0.9	314	25.3		7.9		26.2		57.6		4.1		9.9		5		87				<0.2		0.8	
					Bottom	8.0	0.5	334	25.3	25.3	7.9	7.9	26.3	26.3	59.0	59.1	4.2	4.2	14.2		6		90				<0.2		0.8	
						8.0	0.5	338	25.3		7.9		26.3		59.1		4.2		14.1		7		90				<0.2		0.8	
IM5	Rainy	Moderate	09:05	7.5	Surface	1.0	1.1	354	26.5	26.5	7.9	7.9	22.8	22.8	66.7	66.7	4.7	4.5	6.5	11.6	3	3	84	88	820729	804883	<0.2	<0.2	0.8	0.9
						1.0	1.2	326	26.5		7.9		22.8		66.7		4.7		6.5		3		84				<0.2		0.8	
					Middle	3.8	0.9	357	25.8	25.8	7.9	7.9	24.9	24.9	59.6	59.6	4.2		11.0		3		89				<0.2		0.9	
						3.8	1.0	328	25.8		7.9		24.9		59.6		4.2		11.2		3		90				<0.2		0.9	
					Bottom	6.5	0.8	2	25.7	25.7	7.9	7.9	25.4	25.4	58.5	58.5	4.1	4.1	17.1		3		90				<0.2		0.9	
						6.5	0.8	2	25.7		7.9		25.4		58.5		4.1		17.5		4		90				<0.2		0.8	
IM6	Cloudy	Moderate	09:14	8.3	Surface	1.0	0.1	187	27.4	27.4	7.9	7.9	20.2	20.2	74.0	74.0	5.2	5.2	4.3	7.3	5	5	84	87	821039	805837	<0.2	<0.2	1.0	0.9
						1.0	0.1	188	27.4		7.9		20.2		74.0		5.2		4.1		6		84				<0.2		0.9	
					Middle	4.2	0.2	79	27.1	27.1	7.9	7.9	21.6	21.6	71.9	71.9	5.1		6.2		5		88				<0.2		0.9	
						4.2	0.2	84	27.1		7.9		21.6		71.8		5.1		6.2		5		88				<0.2		0.9	
					Bottom	7.3	0.2	60	26.5	26.5	7.9	7.9	23.4	23.4	69.2	69.4	4.9	4.9	11.7		5		90				<0.2		1.0	
						7.3	0.3	60	26.5		7.9		23.4		69.5		4.9		11.4		5		90				<0.2		0.8	
IM7	Cloudy	Moderate	09:23	9.4	Surface	1.0	0.0	145	27.7	27.7	7.9	7.9	19.5	19.5	73.1	73.1	5.2	5.0	3.9	5.8	4	4	84	87	821328	806848	<0.2	<0.2	1.0	0.9
						1.0	0.0	151	27.7		7.9		19.5		73.1		5.2		3.9		4		83				<0.2		1.0	
					Middle	4.7	0.1	99	26.9	26.9	7.9	7.9	21.4	21.4	66.9	66.9	4.7		4.7		4		88				<0.2		0.9	
						4.7	0.2	101	26.9		7.9		21.4		66.8		4.7		4.6		4		88				<0.2		1.0	
					Bottom	8.4	0.3	98	25.7	25.7	7.9	7.9	25.2	25.2	59.1	59.3	4.2	4.2	8.8		5		90				<0.2		0.9	
						8.4	0.3	104	25.7		7.9		25.2		59.4		4.2		9.2		5		90				<0.2		0.7	
IM8	Cloudy	Moderate	08:25	8.4	Surface	1.0	0.1	219	27.5	27.5	7.9	7.9	21.6	21.6	71.1	71.1	5.0	5.0	7.1	8.8	9	9	86	88	821843	808127	<0.2	<0.2	0.9	0.9
						1.0	0.1	231	27.6		7.9		21.5		71.1		5.0		7.1		10		86				<0.2		0.8	
					Middle	4.2	0.1	206	27.4	27.4	7.9	7.9	21.6	21.6	70.5	70.6	4.9		7.8		8		89				<0.2		1.0	
						4.2	0.1	209	27.4		7.9		21.6		70.6		4.9		7.9		9		89				<0.2		0.9	
					Bottom	7.4	0.1	200	27.4	27.4	7.9	7.9	21.6	21.6	72.9	73.0	5.1	5.1	11.2		8		90				<0.2		0.9	
						7.4	0.1	213	27.4		7.9		21.6		73.1		5.1		11.4		9		90				<0.2		1.0	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	08:19	7.8	Surface	1.0	0.3	270	27.1	27.1	7.9	7.9	22.9	22.9	66.8	66.8	4.7	4.7	6.8	11.4	9	9	85	89	822108	808812	<0.2	<0.2	0.9	0.9
						1.0	0.4	290	27.1		7.9		22.9		66.8		4.7		6.7		10		86				<0.2		1.0	
					Middle	3.9	0.4	268	27.1	27.1	7.9	7.9	22.9	22.9	67.5	67.5	4.7		11.8		9		89				<0.2		0.8	
						3.9	0.4	274	27.1		7.9		22.9		67.5		4.7		11.8		10		90				<0.2		1.0	
					Bottom	6.8	0.4	260	27.1	27.1	7.9	7.9	23.0	23.0	69.2	69.3	4.8	4.8	15.5		9		90				<0.2		1.0	
						6.8	0.4	271	27.1		7.9		23.0		69.3		4.8		15.6		9		91				<0.2		0.9	
IM10	Cloudy	Moderate	08:11	8.2	Surface	1.0	0.8	304	27.4	27.4	7.9	7.9	21.6	21.6	72.6	72.6	5.1	4.9	9.1	11.6	9	10	86	89	822362	809808	<0.2	<0.2	0.9	0.9
						1.0	0.9	315	27.4		7.9		21.6		72.6		5.1		9.1		9		87				<0.2		0.9	
					Middle	4.1	0.7	298	26.9	26.9	7.9	7.9	22.6	22.7	67.5	67.3	4.7		11.8		10		90				<0.2		0.9	
						4.1	0.7	325	26.8		7.9		22.8		67.1		4.7		11.8		9		90				<0.2		1.0	
					Bottom	7.2	0.5	297	26.5	26.5	7.9	7.9	24.9	24.9	63.1	63.2	4.4	4.4	14.1		10		90				<0.2		0.9	
						7.2	0.5	311	26.5		7.9		24.9		63.2		4.4		14.0		10		91				<0.2		0.9	
IM11	Cloudy	Moderate	08:01	8.7	Surface	1.0	0.8	300	27.4	27.4	7.9	7.9	21.8	21.8	72.6	72.6	5.1	4.7	5.2	10.6	4	5	85	88	822072	811477	<0.2	<0.2	0.8	0.9
						1.0	0.9	301	27.4		7.9		21.8		72.5		5.1		5.3		4		86				<0.2		0.9	
					Middle	4.4	0.8	295	26.2	26.2	7.9	7.9	25.2	25.2	61.6	61.7	4.3		11.0		4		89				<0.2		0.9	
						4.4	0.8	314	26.2		7.9		25.2		61.7		4.3		10.8		5		89				<0.2		0.9	
					Bottom	7.7	0.4	287	25.5	25.5	7.9	7.9	27.5	27.5	58.6	58.8	4.1	4.1	15.5		6		90				<0.2		0.9	
						7.7	0.5	294	25.5		7.9		27.5		58.9		4.1		15.6		5		91				<0.2		1.0	
IM12	Cloudy	Moderate	07:55	8.9	Surface	1.0	0.8	294	27.8	27.8	8.0	8.0	20.3	20.3	78.0	78.0	5.5	5.0	4.5	10.1	6	6	85	88	821450	812052	<0.2	<0.2	1.0	1.0
						1.0	0.8	312	27.8		8.0		20.3		78.0		5.5		4.5		5		85				<0.2		1.0	
					Middle	4.5	0.8	287	26.6	26.6	7.9	7.9	24.5	24.4	64.5	64.6	4.5		11.5		5		88				<0.2		1.0	
						4.5	0.8	307	26.7		7.9		24.4		64.6		4.5		11.4		6		89				<0.2		1.0	
					Bottom	7.9	0.4	266	25.7	25.7	7.9	7.9	27.1	27.1	53.6	53.7	3.8	3.8	14.3		6		89				<0.2		1.0	
						7.9	0.4	275	25.7		7.9		27.1		53.8		3.8		14.2		5		90				<0.2		1.0	
SR1A	Cloudy	Calm	07:34	5.2	Surface	1.0	-	-	27.8	27.8	7.9	7.9	19.9	19.9	79.3	79.3	5.6	5.6	4.6	4.8	5	5	-	-	819973	812665	-	-	-	-
						1.0	-	-	27.8		7.9		19.9		79.3		5.6		4.7		5		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	27.6	27.6	7.9	7.9	21.4	21.4	76.1	76.2	5.3	5.3	5.1		4		-				-		-	
						4.2	-	-	27.6		7.9		21.3		76.2		5.3		5.0		5		-				-		-	
SR2	Cloudy	Calm	07:21	4.4	Surface	1.0	0.1	165	27.3	27.2	7.9	7.9	21.2	21.3	74.8	74.8	5.3	5.3	5.5	7.3	3	4	85	87	821450	814175	<0.2	<0.2	1.1	1.0
						1.0	0.1	179	27.2		7.9		21.3		74.7		5.3		5.9		4		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	129	26.8	26.8	7.9	7.9	24.7	24.7	68.3	68.5	4.8	4.8	8.9		5		88				<0.2		1.0	
						3.4	0.2	136	26.8		7.9		24.6		68.7		4.8		8.9		5		89				<0.2		1.0	
SR3	Cloudy	Moderate	08:32	9.5	Surface	1.0	0.2	278	27.7	27.7	7.9	7.9	20.8	20.8	74.4	74.3	5.2	5.1	5.3	7.7	8	7	-	-	822151	807575	-	-	-	-
						1.0	0.2	290	27.7		7.9		20.8		74.2		5.2		5.3		8		-				-		-	
					Middle	4.8	0.2	246	27.4	27.4	7.9	7.9	21.5	21.5	71.4	71.4	5.0		7.0		8		-				-		-	
						4.8	0.2	252	27.4		7.9		21.5		71.4		5.0		7.0		7		-				-		-	
					Bottom	8.5	0.1	41	27.1	27.1	7.9	7.9	23.7	23.7	66.7	66.8	4.7	4.7	10.9		6		-				-		-	
						8.5	0.2	43	27.1		7.9		23.7		66.9		4.7		10.7		7		-				-		-	
SR4A	Cloudy	Calm	07:51	9.2	Surface	1.0	0.1	252	27.0	27.0	7.9	7.9	22.2	22.2	68.4	68.4	4.8	4.5	5.9	7.7	8	8	-	-	817166	807809	-	-	-	-
						1.0	0.1	275	27.0		7.9		22.2		68.3		4.8		5.9		9		-				-		-	
					Middle	4.6	0.0	112	26.3	26.3	7.9	7.9	24.1	24.1	59.3	59.3	4.2		6.7		8		-				-		-	
						4.6	0.0	122	26.3		7.9		24.1		59.2		4.2		6.7		8		-				-		-	
					Bottom	8.2	0.2	71	25.9	25.9	7.9	7.9	25.4	25.4	55.5	55.6	3.9	3.9	10.3		8		-				-		-	
						8.2	0.2	76	25.9		7.9		25.4		55.7		3.9		10.4		8		-				-		-	
SR5A	Fine	Calm	07:34	3.7	Surface	1.0	0.2	282	27.3	27.3	7.9	7.9	21.8	21.8	71.4	71.5	5.0	5.0	8.5	9.1	10	8	-	-	816604	810691	-	-	-	-
						1.0	0.3	295	27.3		7.9		21.8		71.5		5.0		8.5		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.2	297	27.3	27.3	7.9	7.9	21.8	21.8	72.1	72.2	5.1	5.1	9.6		7		-				-		-	
						2.7	0.2	309	27.3		7.9		21.8		72.3		5.1		9.7		6		-				-		-	
SR6A	Fine	Calm	07:07	4.1	Surface	1.0	0.1	176	27.0	27.0	7.9	7.9	21.7	21.7	70.1	70.1	5.0	5.0	3.8	4.1	5	6	-	-	817985	814738	-	-	-	-
						1.0	0.1	185	27.0		7.9		21.7		70.1		5.0		3.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	217	27.0	27.0	7.9	7.9	22.3	22.3	64.6	64.4	4.6	4.6	4.3		6		-				-		-	
						3.1	0.1	219	27.0		7.9		22.4		64.2		4.5		4.5		6		-				-		-	
SR7	Cloudy	Moderate	06:28	15.4	Surface	1.0	0.1	293	27.2	27.2	8.0	8.0	22.8	22.8	76.0	76.0	5.3	5.0	3.9	4.2	4	4	-	-	823646	823730	-	-	-	-
						1.0	0.1	315	27.2		8.0		22.8		75.9		5.3		3.9		4		-				-		-	
					Middle	7.7	0.1	235	25.6	25.6	7.9	7.9	27.5	27.5	65.7	65.7	4.6		4.1		4		-				-		-	
						7.7	0.1	238	25.6		7.9		27.5		65.7		4.6		4.1		5		-				-		-	
					Bottom	14.4	0.1	165	25.0	25.0	7.9	7.9	29.0	29.0	61.9	62.0	4.3	4.3	4.7		4		-				-		-	
						14.4	0.1	166	25.0		7.9		29.0		62.1		4.4		4.6		3		-				-		-	
SR8	Cloudy	Calm	07:46	5.0	Surface	1.0	-	-	27.7	27.7	7.9	7.9	20.9	20.9	75.9	75.9	5.3	5.3	5.6	7.2	5	5	-	-	820409	811638	-	-	-	-
						1.0	-	-	27.7		7.9		20.9		75.9		5.3		5.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	26.8	26.8	7.9	7.9	23.8	23.8	68.1	68.2	4.8	4.8	8.9		6		-				-		-	
						4.0	-	-	26.8		7.9		23.8		68.3		4.8		8.9		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	15:53	9.0	Surface	1.0	0.5	218	29.0	29.0	8.2	8.2	20.2	20.2	115.5	115.5	7.9	6.7	3.6	5.0	4	5	87	90	815610	804236	<0.2	<0.2	1.0	1.0
						1.0	0.5	233	29.0		8.2		20.2		115.4		7.9		3.6		3		91				<0.2		1.0	
					Middle	4.5	0.5	214	26.3	26.3	8.1	8.1	26.2	26.1	79.2	79.3	5.5		4.0		5		88				<0.2		1.0	
						4.5	0.5	216	26.3		8.1		26.1		79.3		5.5		4.0		5		89				<0.2		1.0	
					Bottom	8.0	0.5	211	24.3	24.3	8.0	8.0	30.9	30.9	57.0	57.1	4.0	4.0	7.2		5		91				<0.2		1.0	
						8.0	0.5	221	24.3		8.0		30.9		57.1		4.0		7.5		6		91				<0.2		0.9	
C2	Cloudy	Moderate	14:51	11.2	Surface	1.0	0.2	135	27.6	27.6	8.0	8.0	21.2	21.2	73.7	73.7	5.2	4.9	5.2	8.5	4	4	86	88	825677	806963	<0.2	<0.2	1.4	1.3
						1.0	0.2	141	27.6		8.0		21.3		73.6		5.2		5.4		4		87				<0.2		1.3	
					Middle	5.6	0.5	154	27.2	27.2	8.0	8.0	22.3	22.3	65.3	65.1	4.6		8.0		4		88				<0.2		1.2	
						5.6	0.5	160	27.2		8.0		22.3		64.9		4.6		8.5		4		89				<0.2		1.3	
					Bottom	10.2	0.5	144	25.2	25.2	8.0	8.0	27.4	27.4	56.8	57.0	4.0	4.0	12.1		4		90				<0.2		1.3	
						10.2	0.5	156	25.2		8.0		27.4		57.1		4.0		11.6		3		90				<0.2		1.2	
C3	Cloudy	Moderate	16:22	12.0	Surface	1.0	0.4	286	26.9	26.9	8.1	8.1	24.4	24.4	82.9	82.8	5.8	5.5	3.1	4.8	4	4	88	89	822126	817780	<0.2	<0.2	1.4	1.3
						1.0	0.4	308	26.9		8.1		24.5		82.7		5.8		3.2		4		87				<0.2		1.3	
					Middle	6.0	0.2	257	26.7	26.7	8.1	8.1	24.9	24.9	75.0	74.9	5.2		4.5		3		89				<0.2		1.2	
						6.0	0.2	279	26.7		8.1		24.9		74.7		5.2		4.8		4		88				<0.2		1.2	
					Bottom	11.0	0.1	120	24.8	24.8	8.1	8.1	28.9	28.9	65.9	66.0	4.6	4.6	6.6		3		90				<0.2		1.3	
						11.0	0.1	120	24.8		8.1		28.8		66.0		4.6		6.7		4		90				<0.2		1.3	
IM1	Fine	Moderate	15:31	5.3	Surface	1.0	0.1	205	27.5	27.5	8.1	8.1	23.6	23.6	89.4	89.2	6.2	6.2	7.5	11.0	5	5	87	89	817964	807119	<0.2	<0.2	0.9	0.9
						1.0	0.1	205	27.5		8.1		23.7		88.9		6.2		7.8		5		87				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	175	25.8	25.8	8.0	8.0	27.5	27.5	68.9	69.1	4.8	4.8	14.5		4		90				<0.2		0.9	
						4.3	0.2	187	25.8		8.0		27.5		69.2		4.8		14.3		5		90				<0.2		0.9	
IM2	Fine	Moderate	15:23	7.4	Surface	1.0	0.3	185	29.1	29.1	8.2	8.2	19.8	19.8	110.5	110.5	7.6	6.2	3.8	7.4	9	6	85	88	818159	806160	<0.2	<0.2	0.8	0.8
						1.0	0.3	197	29.1		8.2		19.7		110.5		7.6		3.8		8		85				<0.2		0.8	
					Middle	3.7	0.3	154	26.2	26.2	8.0	8.0	26.3	26.3	69.1	69.1	4.8		7.2		6		89				<0.2		0.8	
						3.7	0.3	157	26.2		8.0		26.4		69.1		4.8		7.2		4		88				<0.2		0.8	
					Bottom	6.4	0.2	114	25.3	25.3	8.0	8.0	28.7	28.7	64.9	65.0	4.5	4.5	11.4		4		90				<0.2		0.8	
						6.4	0.2	121	25.3		8.0		28.7		65.0		4.5		11.2		3		91				<0.2		0.8	
IM3	Fine	Moderate	15:16	7.8	Surface	1.0	0.5	196	29.1	29.2	8.1	8.1	19.3	19.3	111.0	111.0	7.7	6.3	3.9	8.1	9	8	86	88	818787	805593	<0.2	<0.2	0.9	0.9
						1.0	0.5	207	29.2		8.1		19.3		111.0		7.7		3.9		9		85				<0.2		0.9	
					Middle	3.9	0.4	149	26.3	26.4	8.0	8.0	26.0	26.0	68.5	68.5	4.8		8.3		7		88				<0.2		0.9	
						3.9	0.4	163	26.4		8.0		26.0		68.5		4.8		8.4		8		88				<0.2		1.0	
					Bottom	6.8	0.3	132	25.1	25.1	8.0	8.0	29.2	29.2	62.7	62.8	4.4	4.4	11.9		6		90				<0.2		0.8	
						6.8	0.4	138	25.1		8.0		29.2		62.9		4.4		12.2		7		90				<0.2		0.9	
IM4	Fine	Moderate	15:06	8.7	Surface	1.0	0.4	238	26.9	26.9	7.9	7.9	24.8	24.8	73.2	73.2	5.1	4.6	8.1	12.0	6	8	85	88	819736	804590	<0.2	<0.2	0.8	0.9
						1.0	0.4	259	26.9		7.9		24.8		73.1		5.1		8.1		7		86				<0.2		0.9	
					Middle	4.4	0.3	197	25.4	25.4	7.9	7.9	28.4	28.4	58.6	58.6	4.1		12.1		8		88				<0.2		0.9	
						4.4	0.3	213	25.4		7.9		28.4		58.6		4.1		11.8		8		87				<0.2		0.8	
					Bottom	7.7	0.3	181	25.3	25.3	7.9	7.9	28.5	28.5	59.5	59.5	4.2	4.2	15.8		8		90				<0.2		1.0	
						7.7	0.3	184	25.3		7.9		28.5		59.5		4.2		16.2		9		90				<0.2		0.8	
IM5	Fine	Moderate	14:57	7.9	Surface	1.0	0.4	276	28.0	28.0	8.0	8.0	22.4	22.4	89.2	89.2	6.2	5.3	5.3	8.6	5	6	86	88	820733	804885	<0.2	<0.2	0.9	0.9
						1.0	0.4	299	28.0		8.0		22.4		89.1		6.2		5.3		6		86				<0.2		0.8	
					Middle	4.0	0.2	243	25.9	25.9	7.9	7.9	27.1	27.1	62.5	62.5	4.4		8.3		7		88				<0.2		0.9	
						4.0	0.3	253	25.9		7.9		27.1		62.5		4.4		8.1		6		87				<0.2		0.8	
					Bottom	6.9	0.2	189	25.8	25.8	7.9	7.9	27.2	27.2	61.9	62.0	4.3	4.3	12.4		6		91				<0.2		0.9	
						6.9	0.2	189	25.8		7.9		27.2		62.0		4.3		12.4		6		91				<0.2		1.0	
IM6	Fine	Moderate	14:50	8.1	Surface	1.0	0.1	290	28.4	28.4	8.0	8.0	21.6	21.6	98.5	98.5	6.8	6.0	4.6	8.4	6	7	85	88	821069	805827	<0.2	<0.2	1.0	1.0
						1.0	0.1	295	28.4		8.0		21.6		98.4		6.8		4.5		6		86				<0.2		0.9	
					Middle	4.1	0.1	192	26.7	26.7	8.0	8.0	25.1	25.1	72.5	72.5	5.1		8.6		6		88				<0.2		0.9	
						4.1	0.1	205	26.7		8.0		25.1		72.5		5.1		8.6		6		87				<0.2		1.0	
					Bottom	7.1	0.1	142	26.4	26.4	8.0	8.0	25.9	25.9	70.5	70.6	4.9	4.9	12.0		8		90				<0.2		0.9	
						7.1	0.1	148	26.4		8.0		25.9		70.6		4.9		12.0		7		90				<0.2		1.0	
IM7	Fine	Moderate	14:42	9.2	Surface	1.0	0.2	275	28.9	28.9	8.0	8.0	20.8	20.8	98.4	98.4	6.8	6.2	4.5	8.5	6	6	85	88	821344	806838	<0.2	<0.2	1.0	1.0
						1.0	0.2	275	28.8		8.0		20.8		98.4		6.8		4.5		5		85				<0.2		1.0	
					Middle	4.6	0.2	216	27.4	27.4	8.0	8.0	23.5	23.5	79.6	79.6	5.5		9.9		6		87				<0.2		0.9	
						4.6	0.2	233	27.4		8.0		23.5		79.6		5.5		10.0		6		88				<0.2		0.9	
					Bottom	8.2	0.3	163	27.2	27.2	8.0	8.0	24.1	24.1	80.0	80.1	5.6	5.6	11.5		7		90				<0.2		1.0	
						8.2	0.3	165	27.2		8.0		24.1		80.1		5.6		10.6		6		90				<0.2		0.9	
IM8	Cloudy	Moderate	15:10	7.9	Surface	1.0	0.2	345	27.7	27.7	8.1	8.1	20.8	20.8	81.0	80.9	5.7	5.4	4.4	6.2	4	6	85	88	821832	808145	<0.2	<0.2	1.2	1.2
						1.0	0.2	355	27.7		8.1		20.9		80.8		5.7		4.5		5		87				<0.2		1.1	
					Middle	4.0	0.2	128	27.2	27.2	8.1	8.1	22.6	22.6	73.2	73.2	5.1		6.0		6		88				<0.2		1.2	
						4.0	0.2	134	27.2		8.1		22.6		73.2		5.1		6.3		5		87				<0.2		1.2	
					Bottom	6.9	0.1	16	27.1	27.1	8.1	8.1	22.7	22.7	74.4	74.6	5.2	5.2	8.0		7		90				<0.2		1.1	
						6.9	0.1	16	27.1		8.1		22.7		74.7		5.2		8.2		6		90				<0.2		1.1	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	15:15	6.6	Surface	1.0	0.2	66	28.1	28.1	8.1	8.1	20.8	20.8	83.2	83.2	5.8	5.5	12.8	8.6	4	4	86	88	822074	808832	<0.2	<0.2	1.0	1.1
						1.0	0.2	68	28.0		8.1		20.8		83.1		5.8		12.8		3		86				<0.2		1.1	
					Middle	3.3	0.3	111	27.2	27.2	8.1	8.1	23.0	23.0	74.4	74.5	5.2		5.3		3		88				<0.2		1.1	
						3.3	0.3	116	27.2		8.1		23.0		74.6		5.2		5.3		4		89				<0.2		1.1	
					Bottom	5.6	0.2	72	26.9	26.9	8.1	8.1	23.4	23.4	71.8	72.0	5.0	5.1	7.7		6		90				<0.2		1.0	
						5.6	0.2	74	26.9		8.1		23.4		72.2		5.1		7.7		5		90				<0.2		1.1	
IM10	Cloudy	Moderate	15:21	7.9	Surface	1.0	0.5	75	28.4	28.3	8.1	8.1	20.3	20.3	88.3	88.3	6.1	5.8	2.8	6.7	4	4	87	88	822408	809787	<0.2	<0.2	1.1	1.1
						1.0	0.5	77	28.2		8.1		20.4		88.2		6.1		2.8		4		85				<0.2		1.2	
					Middle	4.0	0.6	113	27.3	27.3	8.1	8.1	22.6	22.6	77.3	77.4	5.4		5.9		4		88				<0.2		1.2	
						4.0	0.6	124	27.3		8.1		22.6		77.5		5.4		6.8		4		88				<0.2		1.1	
					Bottom	6.9	0.4	104	26.9	26.9	8.1	8.1	23.5	23.5	70.7	70.7	5.0	5.0	10.9		4		90				<0.2		1.0	
						6.9	0.5	105	26.9		8.1		23.5		70.7		5.0		11.0		4		90				<0.2		1.2	
IM11	Cloudy	Moderate	15:30	8.3	Surface	1.0	0.7	120	28.1	28.1	8.1	8.1	20.9	20.9	87.7	87.6	6.1	5.6	2.6	9.2	4	3	86	88	822041	811450	<0.2	<0.2	1.0	1.1
						1.0	0.8	126	28.0		8.1		20.9		87.5		6.1		2.9		3		86				<0.2		1.0	
					Middle	4.2	0.6	115	27.1	27.1	8.1	8.1	23.0	23.1	72.0	71.9	5.0		5.5		4		88				<0.2		1.2	
						4.2	0.6	122	27.0		8.1		23.1		71.7		5.0		5.8		3		89				<0.2		1.2	
					Bottom	7.3	0.4	118	26.8	26.9	8.1	8.1	23.6	23.6	72.4	72.6	5.1	5.1	18.6		3		90				<0.2		1.1	
						7.3	0.4	121	26.9		8.1		23.6		72.7		5.1		19.7		3		90				<0.2		1.1	
IM12	Cloudy	Moderate	15:36	9.0	Surface	1.0	0.5	95	28.8	28.9	8.2	8.2	19.5	19.5	91.3	91.0	6.3	6.0	3.9	6.2	5	4	86	89	821435	812060	<0.2	<0.2	1.2	1.2
						1.0	0.5	102	28.9		8.2		19.4		90.7		6.3		4.3		6		87				<0.2		1.1	
					Middle	4.5	0.4	116	27.4	27.4	8.1	8.1	21.4	21.4	80.6	80.2	5.7		6.6		4		88				<0.2		1.2	
						4.5	0.4	116	27.3		8.1		21.4		79.7		5.6		6.9		4		89				<0.2		1.1	
					Bottom	8.0	0.2	92	26.9	26.9	8.1	8.1	23.2	23.3	69.7	69.8	4.9	4.9	7.9		3		90				<0.2		1.2	
						8.0	0.2	93	26.9		8.1		23.3		69.9		4.9		7.8		3		91				<0.2		1.2	
SR1A	Cloudy	Moderate	15:51	5.0	Surface	1.0	-	-	28.1	28.1	8.1	8.1	21.7	21.8	88.8	88.7	6.2	6.2	4.4	5.0	4	4	-	-	819981	812655	-	-	-	-
						1.0	-	-	28.0		8.1		21.8		88.6		6.1		4.5		4		-				-		-	
					Middle	2.5	-	-	-	-		-		-	-	-	-			-		-		-				-		-	
						2.5	-	-	-						-		-		-		-		-				-		-	
					Bottom	4.0	-	-	27.5	27.5	8.1	8.1	22.7	22.6	79.2	79.3	5.5	5.5	5.5		5		-				-		-	
						4.0	-	-	27.5		8.1		22.6		79.4		5.5		5.4		4		-				-		-	
SR2	Cloudy	Moderate	16:03	4.5	Surface	1.0	0.5	86	28.0	28.0	8.1	8.1	21.1	21.2	91.2	90.8	6.4	6.4	3.5	4.3	5	4	88	89	821463	814179	<0.2	<0.2	1.2	1.2
						1.0	0.5	86	27.9		8.1		21.3		90.4		6.3		3.8		4		87				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	78	27.5	27.6	8.1	8.1	22.0	21.9	79.3	79.8	5.5	5.6	4.9		3		90				<0.2		1.3	
						3.5	0.3	80	27.6		8.1		21.9		80.2		5.6		4.9		4		90				<0.2		1.1	
SR3	Cloudy	Moderate	15:05	8.8	Surface	1.0	0.1	73	28.2	28.2	8.1	8.1	20.6	20.6	84.3	84.3	5.9	5.6	3.8	7.3	4	4	-	-	822129	807581	-	-	-	-
						1.0	0.1	75	28.1		8.1		20.7		84.2		5.9		3.9		3		-				-		-	
					Middle	4.4	0.2	195	27.3	27.3	8.1	8.1	22.5	22.5	75.4	75.3	5.3		4.5		4		-				-		-	
						4.4	0.2	209	27.3		8.1		22.5		75.2		5.3		4.6		4		-				-		-	
					Bottom	7.8	0.1	124	26.7	26.7	8.1	8.1	23.9	23.9	64.5	64.6	4.5	4.5	13.7		6		-				-		-	
						7.8	0.1	133	26.7		8.1		23.9		64.6		4.5		13.6		5		-				-		-	
SR4A	Fine	Calm	16:17	9.6	Surface	1.0	0.0	341	29.2	29.2	8.1	8.1	20.7	20.7	107.8	107.6	7.4	5.9	5.6	9.6	4	5	-	-	817180	807796	-	-	-	-
						1.0	0.0	348	29.2		8.1		20.7		107.3		7.3		5.8		4		-				-		-	
					Middle	4.8	0.1	57	25.6	25.6	8.0	8.0	28.0	27.9	62.3	62.3	4.4		10.7		4		-				-		-	
						4.8	0.1	58	25.6		8.0		27.9		62.3		4.4		10.8		5		-				-		-	
					Bottom	8.6	0.2	68	25.2	25.2	8.0	8.0	28.8	28.8	61.7	61.8	4.3	4.3	12.4		4		-				-		-	
						8.6	0.2	69	25.2		8.0		28.8		61.8		4.3		12.4		6		-				-		-	
SR5A	Fine	Calm	16:35	3.7	Surface	1.0	0.1	292	29.3	29.3	8.2	8.2	21.3	21.3	116.4	116.3	7.9	7.9	5.3	5.4	6	6	-	-	816569	810699	-	-	-	-
						1.0	0.1	318	29.3		8.2		21.3		116.2		7.9		5.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.0	288	29.3	29.3	8.1	8.1	21.7	21.7	112.6	112.6	7.7	7.7	5.6		6		-				-		-	
						2.7	0.0	300	29.3		8.1		21.7		112.6		7.7		5.6		7		-				-		-	
SR6A	Fine	Calm	17:10	4.1	Surface	1.0	0.1	28	28.6	28.6	8.1	8.1	23.2	23.2	98.9	98.8	6.7	6.7	10.4	11.2	11	11	-	-	817957	814718	-	-	-	-
						1.0	0.1	29	28.6		8.1		23.2		98.6		6.7		10.5		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	206	27.0	27.0	8.0	8.0	25.0	25.0	67.7	67.8	4.7	4.7	12.0		11		-				-		-	
						3.1	0.1	222	27.0		8.0		25.0		67.9		4.7		12.0		10		-				-		-	
SR7	Cloudy	Moderate	16:50	16.4	Surface	1.0	0.6	61	28.3	28.3	8.2	8.2	21.3	21.3	102.2	102.1	7.1	6.5	1.8	2.1	5	4	-	-	823638	823740	-	-	-	-
						1.0	0.7	66	28.2		8.2		21.3		102.0		7.1		1.8		4		-				-		-	
					Middle	8.2	0.2	14	27.4	27.5	8.1	8.1	23.8	23.7	85.7	85.4	5.9		2.3		4		-				-		-	
						8.2	0.2	14	27.5		8.1		23.7		85.0		5.9		2.3		5		-				-		-	
					Bottom	15.4	0.2	55	25.3	25.3	8.1	8.1	27.9	27.9	70.5	70.6	5.0	5.0	2.3		3		-				-		-	
						15.4	0.2	56	25.3		8.1		27.9		70.7		5.0		2.3		3		-				-		-	
SR8	Cloudy	Moderate	15:43	4.9	Surface	1.0	-	-	28.5	28.5	8.1	8.1	21.5	21.5	84.4	84.3	5.8	5.8	9.4	11.4	4	5	-	-	820380	811611	-	-	-	-
						1.0	-	-	28.5		8.1		21.5		84.1		5.8		10.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	28.2	28.2	8.1	8.1	21.7	21.7	84.0	84.1	5.8	5.8	13.0		6		-				-		-	
						3.9	-	-	28.2		8.1		21.7		84.2		5.8		13.3		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	10:19	9.0	Surface	1.0	0.5	40	26.8	26.8	8.0	8.0	23.3	23.3	75.2	75.2	5.3	5.0	8.0	10.3	8	6	87	89	815601	804237	<0.2	<0.2	0.9	0.9
						1.0	0.5	41	26.8		8.0		23.3		75.1		5.3		8.0		7		86				<0.2		0.9	
					Middle	4.5	0.4	29	25.6	25.6	8.0	8.0	26.9	26.9	66.4	66.4	4.7		9.7		7		88				<0.2		0.9	
						4.5	0.4	29	25.6		8.0		26.9		66.4		4.7		9.6		6		88				<0.2		0.8	
					Bottom	8.0	0.6	33	25.1	25.1	8.0	8.0	29.0	29.0	63.1	63.1	4.4	4.4	13.4		5		91				<0.2		0.8	
						8.0	0.6	35	25.1		8.0		29.0		63.1		4.4		13.4		4		91				<0.2		0.8	
C2	Cloudy	Moderate	10:32	12.3	Surface	1.0	0.3	350	27.8	27.8	8.0	8.0	19.0	19.0	71.9	71.9	5.1	4.9	3.2	5.9	5	5	86	88	825662	806965	<0.2	<0.2	1.2	1.3
						1.0	0.3	354	27.8		8.0		19.0		71.9		5.1		3.1		4		85				<0.2		1.2	
					Middle	6.2	0.4	28	26.7	26.7	8.0	8.0	22.6	22.6	65.7	65.6	4.6		4.3		4		88				<0.2		1.2	
						6.2	0.4	28	26.6		8.0		22.6		65.4		4.6		4.3		5		87				<0.2		1.3	
					Bottom	11.3	0.4	346	26.2	26.2	8.0	8.0	25.0	25.0	59.4	59.5	4.2	4.2	10.2		6		90				<0.2		1.4	
						11.3	0.5	359	26.2		8.0		25.0		59.6		4.2		10.4		6		90				<0.2		1.4	
C3	Cloudy	Moderate	08:49	11.8	Surface	1.0	0.3	241	27.5	27.5	8.1	8.1	21.5	21.6	75.6	75.6	5.3	5.1	2.2	5.6	3	4	86	88	822117	817804	<0.2	<0.2	1.2	1.3
						1.0	0.3	250	27.4		8.1		21.7		75.5		5.3		2.2		2		85				<0.2		1.3	
					Middle	5.9	0.4	252	27.1	27.1	8.1	8.1	22.9	22.9	69.2	68.9	4.8		2.7		3		89				<0.2		1.3	
						5.9	0.4	260	27.1		8.1		22.9		68.6		4.8		2.7		4		88				<0.2		1.2	
					Bottom	10.8	0.4	266	25.5	25.5	8.1	8.1	26.9	26.9	67.5	67.7	4.7	4.8	12.0		5		91				<0.2		1.3	
						10.8	0.4	269	25.5		8.1		26.9		67.8		4.8		11.8		6		90				<0.2		1.3	
IM1	Fine	Moderate	10:38	5.4	Surface	1.0	0.2	356	28.8	28.8	8.1	8.1	20.2	20.2	95.1	95.1	6.6	6.6	4.1	7.6	5	5	87	89	817956	807142	<0.2	<0.2	0.9	0.9
						1.0	0.2	328	28.8		8.1		20.2		95.0		6.6		4.2		4		88				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	243	26.8	26.9	8.0	8.0	25.7	25.6	72.9	72.9	5.0	5.0	11.2		5		90				<0.2		1.0	
						4.4	0.2	257	26.9		8.0		25.6		72.9		5.0		10.9		4		89				<0.2		0.9	
IM2	Fine	Moderate	10:46	7.7	Surface	1.0	0.4	22	27.9	27.9	8.0	8.0	21.1	21.1	84.8	84.8	5.9	5.8	3.9	7.2	4	4	85	88	818161	806185	<0.2	<0.2	0.9	1.0
						1.0	0.5	22	27.9		8.0		21.1		84.8		5.9		3.9		4		85				<0.2		0.9	
					Middle	3.9	0.4	356	27.5	27.5	8.0	8.0	23.3	23.3	81.8	81.8	5.7		5.4		5		88				<0.2		1.0	
						3.9	0.4	328	27.5		8.0		23.4		81.7		5.7		5.4		4		87				<0.2		0.9	
					Bottom	6.7	0.3	304	26.5	26.6	8.0	8.0	25.9	25.9	70.2	70.4	4.9	4.9	12.3		4		90				<0.2		1.0	
						6.7	0.3	311	26.6		8.0		25.9		70.5		4.9		12.4		5		90				<0.2		1.0	
IM3	Fine	Moderate	10:53	8.0	Surface	1.0	0.5	0	27.8	27.8	8.0	8.0	21.0	21.0	83.8	83.8	5.9	5.5	4.1	8.9	4	4	85	87	818789	805598	<0.2	<0.2	1.1	1.1
						1.0	0.5	0	27.8		8.0		21.0		83.7		5.8		4.2		4		85				<0.2		1.1	
					Middle	4.0	0.4	334	26.9	26.9	8.0	8.0	24.7	24.7	72.8	72.8	5.1		7.6		4		88				<0.2		1.1	
						4.0	0.5	344	26.9		8.0		24.7		72.8		5.1		7.5		4		87				<0.2		1.1	
					Bottom	7.0	0.4	294	26.3	26.3	8.0	8.0	26.4	26.4	67.8	67.8	4.7	4.7	15.0		3		90				<0.2		1.1	
						7.0	0.4	297	26.3		8.0		26.4		67.8		4.7		15.0		4		89				<0.2		1.1	
IM4	Fine	Moderate	11:02	8.9	Surface	1.0	0.9	3	28.0	28.0	8.0	8.0	19.8	19.7	89.1	89.1	6.3	5.6	4.0	7.5	4	4	85	87	819740	804583	<0.2	<0.2	1.2	1.2
						1.0	1.0	3	28.0		8.0		19.7		89.1		6.3		4.0		4		85				<0.2		1.2	
					Middle	4.5	0.8	337	26.6	26.6	8.0	8.0	25.5	25.5	69.2	69.2	4.8		6.7		4		87				<0.2		1.2	
						4.5	0.8	340	26.6		8.0		25.6		69.1		4.8		6.8		4		88				<0.2		1.2	
					Bottom	7.9	0.5	341	26.4	26.4	8.0	8.0	26.1	26.1	68.1	68.1	4.7	4.7	11.9		4		90				<0.2		1.2	
						7.9	0.6	345	26.4		8.0		26.1		68.1		4.7		11.7		5		89				<0.2		1.1	
IM5	Fine	Moderate	11:08	8.1	Surface	1.0	1.1	10	27.7	27.7	8.0	8.0	21.8	21.8	85.0	85.1	5.9	5.6	6.4	9.3	5	5	85	87	820737	804855	<0.2	<0.2	0.9	1.0
						1.0	1.2	10	27.7		8.0		21.8		85.1		5.9		6.4		3		85				<0.2		0.9	
					Middle	4.1	0.9	5	27.1	27.1	8.0	8.0	24.3	24.3	75.0	75.0	5.2		8.7		5		87				<0.2		1.0	
						4.1	0.9	5	27.1		8.0		24.3		75.0		5.2		8.6		6		87				<0.2		1.0	
					Bottom	7.1	0.6	18	26.7	26.7	8.0	8.0	25.2	25.2	72.2	72.3	5.0	5.0	13.0		7		90				<0.2		1.0	
						7.1	0.6	19	26.7		8.0		25.2		72.3		5.0		13.0		6		89				<0.2		1.0	
IM6	Fine	Moderate	11:14	8.2	Surface	1.0	0.2	157	28.9	28.9	8.0	8.0	18.9	18.9	95.2	95.3	6.6	6.4	3.9	8.2	9	10	84	87	821077	805826	<0.2	<0.2	1.0	1.1
						1.0	0.2	171	28.9		8.0		18.9		95.3		6.6		4.0		10		85				<0.2		1.0	
					Middle	4.1	0.2	79	27.9	28.0	8.0	8.0	22.6	22.6	89.6	89.7	6.2		8.6		10		88				<0.2		1.1	
						4.1	0.2	81	28.0		8.0		22.6		89.7		6.2		8.5		11		88				<0.2		1.1	
					Bottom	7.2	0.2	69	27.8	27.8	8.1	8.1	23.1	23.1	89.4	89.4	6.2	6.2	11.9		10		89				<0.2		1.0	
						7.2	0.2	69	27.8		8.1		23.1		89.4		6.2		12.4		11		90				<0.2		1.1	
IM7	Fine	Moderate	11:21	9.3	Surface	1.0	0.3	237	28.8	28.8	8.0	8.0	18.8	18.8	89.0	89.1	6.2	6.1	3.7	5.8	8	7	85	87	821353	806846	<0.2	<0.2	1.0	1.1
						1.0	0.3	254	28.8		8.0		18.8		89.1		6.2		3.7		8		84				<0.2		1.1	
					Middle	4.7	0.2	209	28.1	28.1	8.0	8.0	21.1	21.1	86.9	86.9	6.0		4.8		8		87				<0.2		1.0	
						4.7	0.2	221	28.1		8.0		21.1		86.9		6.0		4.8		7		88				<0.2		1.1	
					Bottom	8.3	0.2	141	26.9	26.9	8.0	8.0	25.0	25.0	76.4	76.4	5.3	5.3	9.2		7		89				<0.2		1.1	
						8.3	0.2	153	26.9		8.0		25.0		76.4		5.3		8.8		6		90				<0.2		1.2	
IM8	Cloudy	Moderate	10:08	7.6	Surface	1.0	0.1	232	28.6	28.6	8.1	8.1	17.2	17.2	84.8	84.7	6.0	5.8	3.4	3.8	3	5	86	89	821840	808130	<0.2	<0.2	1.4	1.3
						1.0	0.1	253	28.6		8.1		17.2		84.6		6.0		3.4		4		87				<0.2		1.3	
					Middle	3.8	0.1	314	28.3	28.3	8.1	8.1	18.8	18.9	80.9	80.7	5.7		3.3		4		89				<0.2		1.2	
						3.8	0.1	323	28.3		8.1		18.9		80.5		5.6		3.5		5		90				<0.2		1.3	
					Bottom	6.6	0.1	296	28.1	28.2	8.1	8.1	19.6	19.6	79.2	79.3	5.6	5.6	4.5		6		90				<0.2		1.2	
						6.6	0.1	313	28.2		8.1		19.5		79.4		5.6		4.6		6		91				<0.2		1.4	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	10:03	7.6	Surface	1.0	0.2	246	28.2	28.2	8.1	8.1	19.5	19.5	78.0	78.6	5.5	5.3	7.9	7.5	6	5	86	88	822075	808813	<0.2	<0.2	1.3	1.3
						1.0	0.2	249	28.1		8.1		19.5		79.2		5.6		7.5		5		86				<0.2		1.4	
					Middle	3.8	0.3	245	27.8	27.8	8.0	8.0	20.5	20.5	72.5	72.6	5.1		7.2		5		88				<0.2		1.5	
						3.8	0.3	267	27.8		8.0		20.5		72.6		5.1		7.0		4		88				<0.2		1.3	
					Bottom	6.6	0.2	249	27.8	27.8	8.1	8.1	20.6	20.6	74.8	75.0	5.2	5.3	7.7		4		90				<0.2		1.3	
						6.6	0.2	263	27.8		8.1		20.6		75.2		5.3		7.4		4		90				<0.2		1.2	
IM10	Cloudy	Moderate	09:57	7.4	Surface	1.0	0.7	318	27.9	27.9	8.1	8.1	20.4	20.4	79.0	79.0	5.5	5.4	5.1	7.3	4	4	86	89	822371	809807	<0.2	<0.2	1.3	1.3
						1.0	0.7	326	27.8		8.1		20.5		78.9		5.5		5.3		5		87				<0.2		1.4	
					Middle	3.7	0.6	331	27.7	27.7	8.0	8.0	20.8	20.8	74.5	74.5	5.2		6.3		3		89				<0.2		1.3	
						3.7	0.6	341	27.7		8.0		20.8		74.5		5.2		6.3		4		88				<0.2		1.2	
					Bottom	6.4	0.5	324	27.0	27.0	8.0	8.0	23.0	23.0	65.9	65.9	4.6	4.6	10.6		2		90				<0.2		1.3	
						6.4	0.5	348	27.0		8.0		23.0		65.9		4.6		10.6		4		91				<0.2		1.4	
IM11	Cloudy	Moderate	09:46	8.2	Surface	1.0	0.9	309	27.8	27.8	8.1	8.1	20.7	20.7	76.4	76.4	5.3	5.0	3.1	7.8	4	4	86	88	822045	811456	<0.2	<0.2	1.4	1.3
						1.0	1.0	339	27.8		8.1		20.7		76.3		5.3		3.5		3		87				<0.2		1.4	
					Middle	4.1	0.7	312	26.9	26.9	8.1	8.1	23.2	23.2	67.0	67.0	4.7		8.7		4		88				<0.2		1.3	
						4.1	0.8	330	26.9		8.1		23.2		66.9		4.7		8.8		3		88				<0.2		1.3	
					Bottom	7.2	0.4	311	26.0	26.0	8.0	8.0	25.4	25.4	62.6	62.8	4.4	4.4	11.3		4		90				<0.2		1.2	
						7.2	0.4	317	26.0		8.0		25.4		63.0		4.4		11.6		4		90				<0.2		1.1	
IM12	Cloudy	Moderate	09:39	8.4	Surface	1.0	0.8	277	27.8	27.8	8.1	8.1	20.3	20.3	78.4	78.3	5.5	5.2	3.5	7.7	4	5	86	88	821456	812039	<0.2	<0.2	1.2	1.2
						1.0	0.8	297	27.7		8.1		20.3		78.2		5.5		4.0		4		87				<0.2		1.3	
					Middle	4.2	0.8	260	27.1	27.1	8.1	8.1	22.6	22.6	69.0	69.0	4.8		7.8		5		87				<0.2		1.1	
						4.2	0.8	276	27.1		8.1		22.6		69.0		4.8		7.8		6		89				<0.2		1.2	
					Bottom	7.4	0.4	281	26.3	26.3	8.0	8.0	25.0	25.0	60.5	60.5	4.2	4.2	11.2		6		90				<0.2		1.3	
						7.4	0.4	306	26.3		8.0		25.0		60.5		4.2		11.8		6		90				<0.2		1.3	
SR1A	Cloudy	Moderate	09:21	4.8	Surface	1.0	-	-	28.2	28.2	8.1	8.1	19.3	19.3	82.0	82.0	5.8	5.8	2.8	4.3	4	4	-	-	819972	812657	-	-	-	-
						1.0	-	-	28.2		8.1		19.3		81.9		5.7		2.8		4		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	27.8	27.8	8.1	8.1	21.6	21.6	72.6	72.9	5.1	5.1	5.7		5		-				-		-	
						3.8	-	-	27.8		8.1		21.6		73.1		5.1		5.9		4		-				-		-	
SR2	Cloudy	Moderate	09:09	5.2	Surface	1.0	0.1	181	28.0	28.0	8.1	8.1	19.7	19.7	77.9	77.9	5.5	5.5	3.2	4.3	4	4	88	89	821452	814166	<0.2	<0.2	1.3	1.3
						1.0	0.1	198	28.0		8.1		19.8		77.8		5.5		3.2		4		87				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	162	26.4	26.5	8.1	8.1	24.2	24.1	65.9	66.2	4.6	4.7	5.4		4		90				<0.2		1.3	
						4.2	0.2	175	26.5		8.1		24.0		66.5		4.7		5.2		4		90				<0.2		1.5	
SR3	Cloudy	Moderate	10:14	9.2	Surface	1.0	0.2	303	28.6	28.6	8.1	8.1	17.0	17.0	83.5	83.4	5.9	5.7	3.1	4.7	5	5	-	-	822167	807591	-	-	-	-
						1.0	0.2	323	28.5		8.1		17.1		83.3		5.9		3.1		5		-				-		-	
					Middle	4.6	0.3	292	28.1	28.1	8.1	8.1	18.8	18.9	76.6	76.4	5.4		3.5		5		-				-		-	
						4.6	0.3	316	28.0		8.1		18.9		76.1		5.4		3.9		5		-				-		-	
					Bottom	8.2	0.1	73	27.7	27.8	8.1	8.1	21.4	21.4	73.4	73.6	5.1	5.1	7.2		5		-				-		-	
						8.2	0.1	73	27.8		8.1		21.3		73.7		5.1		7.2		5		-				-		-	
SR4A	Fine	Calm	09:53	9.6	Surface	1.0	0.2	242	28.1	28.1	8.0	8.0	22.4	22.4	83.7	83.7	5.8	5.5	6.3	8.7	11	11	-	-	817200	807803	-	-	-	-
						1.0	0.2	263	28.1		8.0		22.4		83.6		5.8		6.3		12		-				-		-	
					Middle	4.8	0.0	265	27.6	27.6	8.0	8.0	23.4	23.4	74.1	74.1	5.1		7.6		10		-				-		-	
						4.8	0.0	286	27.6		8.0		23.4		74.1		5.1		7.5		11		-				-		-	
					Bottom	8.6	0.2	70	26.7	26.7	8.0	8.0	25.7	25.7	66.1	66.2	4.6	4.6	12.0		9		-				-		-	
						8.6	0.2	73	26.7		8.0		25.7		66.3		4.6		12.4		9		-				-		-	
SR5A	Fine	Calm	09:36	3.8	Surface	1.0	0.2	275	28.3	28.3	8.0	8.0	22.6	22.6	86.6	86.6	6.0	6.0	8.6	9.1	9	10	-	-	816586	810713	-	-	-	-
						1.0	0.2	278	28.3		8.0		22.6		86.6		6.0		8.7		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	282	28.3	28.3	8.0	8.0	22.6	22.6	86.3	86.4	5.9	5.9	9.6		10		-				-		-	
						2.8	0.2	282	28.3		8.0		22.6		86.4		5.9		9.7		11		-				-		-	
SR6A	Fine	Calm	09:08	4.3	Surface	1.0	0.0	185	28.4	28.4	7.9	7.9	21.5	21.5	86.0	86.0	5.9	5.9	4.0	5.1	5	5	-	-	817961	814735	-	-	-	-
						1.0	0.0	190	28.4		7.9		21.5		86.0		5.9		4.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	234	28.2	28.2	7.9	7.9	22.3	22.3	80.4	80.4	5.5	5.5	6.1		5		-				-		-	
						3.3	0.1	257	28.2		7.9		22.3		80.4		5.5		6.2		5		-				-		-	
SR7	Cloudy	Moderate	08:20	16.7	Surface	1.0	0.0	116	27.2	27.2	8.0	8.0	21.4	21.4	77.0	76.9	5.4	5.1	2.1	2.3	4	5	-	-	823614	823755	-	-	-	-
						1.0	0.0	123	27.1		8.0		21.4		76.7		5.4		2.1		4		-				-		-	
					Middle	8.4	0.1	184	26.6	26.6	8.0	8.0	24.3	24.3	68.9	68.9	4.8		1.9		4		-				-		-	
						8.4	0.1	201	26.6		8.0		24.2		68.9		4.8		1.9		5		-				-		-	
					Bottom	15.7	0.1	76	25.4	25.5	7.9	7.8	27.2	27.2	65.2	65.4	4.6	4.6	3.0		5		-				-		-	
						15.7	0.1	80	25.5		7.8		27.2		65.6		4.6		3.0		5		-				-		-	
SR8	Cloudy	Moderate	09:31	5.0	Surface	1.0	-	-	28.0	28.0	8.1	8.1	20.2	20.2	76.6	76.6	5.4	5.4	4.2	6.3	4	5	-	-	820396	811606	-	-	-	-
						1.0	-	-	27.9		8.1		20.2		76.5		5.4		4.7		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	27.3	27.3	8.1	8.1	22.3	22.2	69.8	69.8	4.9	4.9	8.3		6		-				-		-	
						4.0	-	-	27.3		8.1		22.2		69.8		4.9		8.0		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	07:28	8.6	Surface	1.0	0.4	238	28.3	28.3	8.2	8.2	21.0	21.0	99.3	99.2	6.9	5.9	4.5	6.3	7	7	83	88	815607	804225	<0.2	<0.2	1.2	1.2
						1.0	0.4	239	28.3		8.2		21.0		99.0		6.9		4.6		6		84				<0.2		1.2	
					Middle	4.3	0.4	209	26.1	26.1	8.0	8.0	26.9	26.9	70.1	69.9	4.9		6.8		7		87				<0.2		1.2	
						4.3	0.4	213	26.1		8.0		26.9		69.7		4.9		6.9		6		88				<0.2		1.1	
					Bottom	7.6	0.4	216	24.4	24.4	7.9	7.9	31.1	31.1	57.0	57.1	4.0	4.0	7.3		7		92				<0.2		1.2	
						7.6	0.4	217	24.4		7.9		31.1		57.2		4.0		7.3		7		93				<0.2		1.2	
C2	Cloudy	Moderate	08:14	10.7	Surface	1.0	0.8	173	28.5	28.5	8.0	8.0	17.0	17.0	93.1	92.8	6.6	6.0	2.9	2.9	7	7	85	88	825667	806933	<0.2	<0.2	1.4	1.5
						1.0	0.8	188	28.5		8.0		17.0		92.5		6.5		2.9		6		86				<0.2		1.4	
					Middle	5.4	0.6	169	27.3	27.3	7.9	7.9	23.2	23.2	77.4	77.4	5.4		2.9		8		87				<0.2		1.6	
						5.4	0.6	172	27.2		7.9		23.2		77.4		5.4		3.0		7		89				<0.2		1.6	
					Bottom	9.7	0.5	173	26.3	26.3	7.9	7.9	25.4	25.4	71.1	71.0	5.0	5.0	2.9		8		90				<0.2		1.6	
						9.7	0.6	184	26.3		7.9		25.4		70.8		5.0		3.0		8		91				<0.2		1.6	
C3	Cloudy	Moderate	06:14	12.6	Surface	1.0	0.4	95	27.4	27.4	8.0	8.0	22.4	22.4	95.4	95.2	6.7	6.2	1.9	2.1	8	8	86	88	822114	817822	<0.2	<0.2	1.5	1.5
						1.0	0.5	98	27.4		8.0		22.4		94.9		6.6		1.9		8		85				<0.2		1.6	
					Middle	6.3	0.1	31	25.7	25.7	8.0	8.0	26.7	26.7	82.1	82.0	5.8		1.6		8		88				<0.2		1.5	
						6.3	0.1	32	25.7		8.0		26.8		81.9		5.8		1.6		7		89				<0.2		1.5	
					Bottom	11.6	0.1	288	24.6	24.6	8.0	8.0	29.4	29.4	74.5	74.7	5.3	5.3	2.8		10		90				<0.2		1.5	
						11.6	0.1	291	24.6		8.0		29.4		74.8		5.3		2.8		9		90				<0.2		1.5	
IM1	Fine	Calm	07:48	4.5	Surface	1.0	0.0	245	26.1	26.0	8.0	8.0	26.2	26.3	73.2	73.2	5.1	5.1	6.8	7.6	6	6	84	86	817939	807149	<0.2	<0.2	1.2	1.2
						1.0	0.0	258	25.9		8.0		26.3		73.1		5.1		6.9		6		85				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	61	25.2	25.2	7.9	7.9	29.5	29.5	64.1	64.3	4.5	4.5	8.4		6		88				<0.2		1.2	
						3.5	0.0	64	25.2		7.9		29.5		64.4		4.5		8.5		5		88				<0.2		1.3	
IM2	Fine	Moderate	07:56	6.7	Surface	1.0	0.3	146	27.2	27.3	8.0	8.0	23.6	23.6	81.2	81.1	5.7	4.9	5.8	7.2	6	6	84	88	818150	806183	<0.2	<0.2	1.2	1.2
						1.0	0.3	157	27.3		8.0		23.6		80.9		5.6		6.0		6		84				<0.2		1.2	
					Middle	3.4	0.1	123	24.9	24.9	7.9	7.9	29.9	29.9	57.9	58.0	4.1		7.1		6		87				<0.2		1.2	
						3.4	0.1	123	24.9		7.9		29.9		58.1		4.1		7.1		7		88				<0.2		1.2	
					Bottom	5.7	0.1	340	24.8	24.8	7.9	7.9	30.4	30.3	58.9	59.0	4.1	4.1	8.7		5		92				<0.2		1.3	
						5.7	0.1	313	24.8		7.9		30.3		59.0		4.1		8.7		6		92				<0.2		1.2	
IM3	Fine	Moderate	08:02	7.0	Surface	1.0	0.2	210	28.2	28.2	8.2	8.2	20.8	20.8	98.9	98.7	6.9	5.4	5.1	6.4	6	6	83	88	818782	805613	<0.2	<0.2	1.3	1.3
						1.0	0.2	213	28.2		8.2		20.8		98.5		6.9		5.2		7		84				<0.2		1.3	
					Middle	3.5	0.2	153	24.8	24.8	7.9	7.9	30.1	30.1	54.9	54.9	3.8		6.6		6		88				<0.2		1.3	
						3.5	0.2	156	24.8		7.9		30.2		54.8		3.8		6.7		7		88				<0.2		1.3	
					Bottom	6.0	0.0	66	24.6	24.6	7.9	7.9	30.8	30.8	56.0	56.1	3.9	3.9	7.5		5		91				<0.2		1.4	
						6.0	0.0	68	24.6		7.9		30.8		56.2		3.9		7.5		4		91				<0.2		1.3	
IM4	Fine	Moderate	08:11	8.0	Surface	1.0	0.8	215	27.9	27.9	8.0	8.0	21.9	21.9	92.9	92.8	6.4	6.2	6.3	7.4	6	6	84	88	819733	804624	<0.2	<0.2	1.4	1.3
						1.0	0.9	219	27.9		8.0		22.0		92.7		6.4		6.1		5		84				<0.2		1.2	
					Middle	4.0	0.7	205	27.4	27.4	8.0	8.0	23.3	23.4	85.2	85.2	5.9		7.7		5		89				<0.2		1.3	
						4.0	0.7	208	27.4		8.0		23.4		85.1		5.9		7.8		6		89				<0.2		1.3	
					Bottom	7.0	0.6	199	27.0	27.1	8.0	8.0	24.4	24.4	79.7	79.8	5.5	5.6	8.4		6		91				<0.2		1.3	
						7.0	0.6	212	27.1		8.0		24.4		79.9		5.6		8.3		7		91				<0.2		1.2	
IM5	Fine	Moderate	08:20	7.6	Surface	1.0	0.7	216	28.7	28.7	8.2	8.2	18.0	18.0	108.0	107.9	7.6	7.2	4.1	5.7	6	6	84	88	820753	804872	<0.2	<0.2	1.2	1.3
						1.0	0.7	231	28.6		8.2		18.0		107.8		7.6		4.2		7		84				<0.2		1.2	
					Middle	3.8	0.7	220	28.1	28.1	8.1	8.1	20.9	20.9	96.2	96.1	6.7		6.0		6		87				<0.2		1.3	
						3.8	0.7	233	28.0		8.1		20.9		95.9		6.7		6.2		5		87				<0.2		1.4	
					Bottom	6.6	0.5	207	27.7	27.7	8.1	8.1	22.6	22.6	87.9	88.0	6.1	6.1	6.9		4		92				<0.2		1.3	
						6.6	0.5	221	27.7		8.1		22.5		88.0		6.1		7.0		5		93				<0.2		1.2	
IM6	Fine	Moderate	08:28	6.9	Surface	1.0	0.5	236	28.1	28.1	8.1	8.1	21.7	21.8	97.9	97.7	6.8	6.5	5.7	6.9	6	6	84	88	821059	805831	<0.2	<0.2	1.2	1.2
						1.0	0.5	241	28.0		8.1		21.8		97.4		6.8		6.0		4		85				<0.2		1.1	
					Middle	3.5	0.5	230	27.8	27.8	8.0	8.0	22.3	22.4	88.5	88.4	6.1		7.2		5		87				<0.2		1.1	
						3.5	0.5	245	27.8		8.0		22.4		88.3		6.1		7.4		6		89				<0.2		1.3	
					Bottom	5.9	0.4	235	27.8	27.8	8.0	8.0	22.6	22.6	88.1	88.4	6.1	6.1	7.8		6		91				<0.2		1.2	
						5.9	0.5	255	27.8		8.0		22.6		88.7		6.1		7.5		7		92				<0.2		1.4	
IM7	Fine	Moderate	08:37	8.1	Surface	1.0	0.4	241	28.5	28.5	8.1	8.1	20.8	20.8	101.3	101.3	7.0	6.6	4.3	6.2	8	8	84	88	821359	806829	<0.2	<0.2	1.2	1.2
						1.0	0.4	260	28.5		8.1		20.8		101.2		7.0		4.3		9		85				<0.2		1.3	
					Middle	4.1	0.3	232	27.9	27.9	8.0	8.0	22.6	22.6	88.8	88.8	6.1		6.4		8		88				<0.2		1.3	
						4.1	0.3	249	27.9		8.0		22.6		88.8		6.1		6.7		8		89				<0.2		1.2	
					Bottom	7.1	0.2	261	27.9	27.9	8.0	8.0	22.7	22.7	89.0	89.1	6.2	6.2	7.9		7		92				<0.2		1.2	
						7.1	0.3	274	27.9		8.0		22.7		89.1		6.2		7.8		7		92				<0.2		1.2	
IM8	Cloudy	Moderate	07:47	7.4	Surface	1.0	0.1	206	28.1	28.1	8.0	8.0	20.0	20.1	94.4	94.4	6.6	6.3	3.0	5.1	9	9	87	88	821824	808138	<0.2	<0.2	1.4	1.5
						1.0	0.1	222	28.0		8.0		20.2		94.3		6.6		3.0		10		86				<0.2		1.5	
					Middle	3.7	0.3	145	27.6	27.6	8.0	8.0	21.3	21.4	86.1	86.0	6.0		4.8		8		88				<0.2		1.6	
						3.7	0.3	154	27.6		8.0		21.4		85.8		6.0		5.1		8		88				<0.2		1.7	
					Bottom	6.4	0.2	169	27.5	27.5	8.0	8.0	21.9	21.9	85.1	85.2	5.9	6.0	7.3		8		90				<0.2		1.5	
						6.4	0.2	176	27.5		8.0		21.9		85.2		6.0		7.3		7		90				<0.2		1.4	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	07:41	7.2	Surface	1.0	0.2	125	28.2	28.2	8.0	8.0	19.6	19.6	96.8	96.8	6.8	6.5	2.4	5.2	6	8	86	88	822099	808824	<0.2	<0.2	1.7	1.7
						1.0	0.2	127	28.2		8.0		19.6		96.7		6.8		2.4		6		87				<0.2		1.6	
					Middle	3.6	0.3	126	27.7	27.7	8.0	8.0	21.4	21.4	88.1	88.1	6.2		6.0		8		88				<0.2		1.7	
						3.6	0.3	136	27.7		8.0		21.4		88.1		6.2		6.1		7		88				<0.2		1.8	
					Bottom	6.2	0.2	106	27.7	27.7	8.0	8.0	21.6	21.6	88.4	88.5	6.2	6.2	7.2		9		90				<0.2		1.7	
						6.2	0.2	115	27.7		8.0		21.6		88.5		6.2		7.2		9		90				<0.2		1.7	
IM10	Cloudy	Moderate	07:33	6.4	Surface	1.0	0.5	102	28.4	28.4	8.1	8.0	18.9	18.9	100.0	100.0	7.0	6.8	2.0	2.7	12	10	86	88	822380	809790	<0.2	<0.2	1.6	1.5
						1.0	0.6	109	28.4		8.0		18.9		99.9		7.0		2.0		12		85				<0.2		1.5	
					Middle	3.2	0.5	97	27.9	27.9	8.0	8.0	20.8	20.7	93.7	93.9	6.6		2.8		10		89				<0.2		1.5	
						3.2	0.5	102	27.9		8.0		20.7		94.0		6.6		2.8		9		88				<0.2		1.5	
					Bottom	5.4	0.5	88	27.8	27.8	8.0	8.0	21.1	21.1	93.5	93.5	6.5	6.5	3.3		7		90				<0.2		1.6	
						5.4	0.5	93	27.8		8.0		21.1		93.4		6.5		3.3		8		90				<0.2		1.5	
IM11	Cloudy	Moderate	07:19	7.0	Surface	1.0	0.6	118	28.3	28.3	8.1	8.1	17.9	17.9	102.5	102.6	7.2	7.1	2.1	3.9	6	6	86	88	822033	811477	<0.2	<0.2	1.5	1.6
						1.0	0.7	120	28.3		8.1		17.9		102.6		7.2		2.1		6		87				<0.2		1.6	
					Middle	3.5	0.5	110	28.2	28.2	8.0	8.0	20.2	20.2	98.8	98.8	6.9		1.9		6		88				<0.2		1.4	
						3.5	0.5	110	28.2		8.0		20.2		98.7		6.9		1.9		6		87				<0.2		1.6	
					Bottom	6.0	0.2	131	27.3	27.3	8.0	8.0	22.7	22.7	84.9	84.9	5.9	5.9	7.7		5		89				<0.2		1.8	
						6.0	0.2	136	27.3		8.0		22.7		84.9		5.9		7.9		6		91				<0.2		1.8	
IM12	Cloudy	Moderate	07:11	9.4	Surface	1.0	0.5	115	28.4	28.4	8.0	8.0	19.1	19.1	97.5	97.5	6.8	6.4	2.3	4.2	9	7	87	88	821441	812039	<0.2	<0.2	1.6	1.5
						1.0	0.5	123	28.4		8.0		19.1		97.4		6.8		2.4		8		86				<0.2		1.5	
					Middle	4.7	0.4	96	27.6	27.6	8.0	8.0	21.5	21.5	86.3	86.2	6.0		4.6		8		88				<0.2		1.6	
						4.7	0.4	98	27.5		8.0		21.5		86.1		6.0		4.6		8		89				<0.2		1.4	
					Bottom	8.4	0.2	95	26.7	26.7	8.0	7.9	24.2	24.3	83.2	81.5	5.8	5.7	5.5		5		90				<0.2		1.6	
						8.4	0.2	95	26.6		7.9		24.4		79.7		5.6		5.6		6		90				<0.2		1.5	
SR1A	Cloudy	Moderate	06:54	5.2	Surface	1.0	-	-	28.3	28.3	8.0	8.0	19.5	19.5	96.3	96.3	6.7	6.7	2.3	2.5	5	6	-	-	819978	812656	-	-	-	-
						1.0	-	-	28.3		8.0		19.5		96.2		6.7		2.3		5		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	27.7	27.7	8.0	8.0	21.4	21.4	92.5	92.6	6.5	6.5	2.7		6		-				-		-	
						4.2	-	-	27.7		8.0		21.4		92.6		6.5		2.7		6		-				-		-	
SR2	Cloudy	Moderate	06:41	4.5	Surface	1.0	0.4	114	28.4	28.4	8.1	8.1	19.4	19.4	97.2	97.2	6.8	6.8	2.6	5.8	9	7	88	89	821459	814186	<0.2	<0.2	1.7	1.8
						1.0	0.5	121	28.3		8.1		19.4		97.1		6.8		2.7		9		87				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	84	27.9	27.9	8.1	8.1	20.9	20.9	95.7	95.8	6.7	6.7	9.0		6		90				<0.2		1.8	
						3.5	0.2	89	27.9		8.1		20.9		95.8		6.7		9.0		5		90				<0.2		1.8	
SR3	Cloudy	Moderate	07:52	8.6	Surface	1.0	0.2	237	28.4	28.4	8.0	8.0	18.9	18.9	97.8	97.7	6.8	6.5	2.0	5.8	6	6	-	-	822165	807582	-	-	-	-
						1.0	0.2	241	28.4		8.0		18.9		97.5		6.8		2.0		5		-				-		-	
					Middle	4.3	0.3	177	27.7	27.7	8.0	8.0	20.7	20.8	88.0	88.0	6.2		5.2		5		-				-		-	
						4.3	0.3	191	27.6		8.0		20.8		87.9		6.2		5.9		6		-				-		-	
					Bottom	7.6	0.2	192	27.4	27.4	8.0	8.0	22.4	22.4	82.5	82.7	5.8	5.8	9.8		7		-				-		-	
						7.6	0.2	200	27.4		8.0		22.4		82.8		5.8		10.0		6		-				-		-	
SR4A	Fine	Calm	07:08	9.0	Surface	1.0	0.2	237	28.4	28.4	8.1	8.1	20.4	20.4	93.5	93.3	6.5	5.3	6.1	7.3	6	6	-	-	817172	807811	-	-	-	-
						1.0	0.2	247	28.4		8.1		20.4		93.1		6.5		6.3		8		-				-		-	
					Middle	4.5	0.2	71	25.1	25.1	7.9	7.9	29.5	29.5	57.1	57.1	4.0		7.4		7		-				-		-	
						4.5	0.2	71	25.1		7.9		29.5		57.1		4.0		7.6		6		-				-		-	
					Bottom	8.0	0.1	79	24.9	24.9	7.9	7.9	30.1	30.1	56.6	56.7	4.0	4.0	8.1		6		-				-		-	
						8.0	0.2	85	24.9		7.9		30.1		56.8		4.0		8.2		5		-				-		-	
SR5A	Fine	Calm	06:52	3.5	Surface	1.0	0.1	290	28.8	28.8	8.1	8.1	20.5	20.5	102.4	102.3	7.1	7.1	8.0	8.2	8	7	-	-	816594	810710	-	-	-	-
						1.0	0.1	296	28.8		8.1		20.5		102.1		7.0		8.2		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	298	28.8	28.8	8.0	8.0	20.6	20.6	101.0	101.0	7.0	7.0	8.4		6		-				-		-	
						2.5	0.1	300	28.8		8.0		20.6		100.9		7.0		8.4		5		-				-		-	
SR6A	Fine	Calm	05:57	4.3	Surface	1.0	0.1	333	28.6	28.6	8.0	8.0	21.8	21.8	113.1	113.2	7.8	7.8	6.4	7.8	7	7	-	-	817951	814760	-	-	-	-
						1.0	0.1	344	28.6		8.0		21.8		113.2		7.8		6.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	10	28.5	28.5	7.9	7.9	22.2	22.2	107.8	107.9	7.4	7.4	9.0		7		-				-		-	
						3.3	0.1	10	28.5		7.9		22.2		108.0		7.4		9.0		6		-				-		-	
SR7	Cloudy	Moderate	05:33	16.4	Surface	1.0	0.5	65	26.4	26.4	8.0	8.0	25.0	24.9	90.1	90.2	6.3	5.8	1.9	2.0	6	4	-	-	823621	823739	-	-	-	-
						1.0	0.5	71	26.4		8.0		24.9		90.2		6.3		1.8		5		-				-		-	
					Middle	8.2	0.1	312	25.0	25.0	7.9	7.9	28.6	28.6	74.2	74.0	5.2		1.6		5		-				-		-	
						8.2	0.1	339	25.0		7.9		28.6		73.8		5.2		1.6		4		-				-		-	
					Bottom	15.4	0.2	54	23.8	23.8	7.8	7.8	30.7	30.7	63.3	63.4	4.5	4.5	2.5		4		-				-		-	
						15.4	0.2	56	23.8		7.8		30.7		63.4		4.5		2.5		2		-				-		-	
SR8	Cloudy	Moderate	07:04	4.7	Surface	1.0	-	-	28.4	28.4	8.1	8.1	18.2	18.2	96.6	96.5	6.8	6.8	2.3	2.9	11	11	-	-	820394	811609	-	-	-	-
						1.0	-	-	28.4		8.1		18.2		96.4		6.8		2.5		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	28.7	28.7	8.1	8.1	18.9	18.9	95.7	95.7	6.7	6.7	3.4		12		-				-		-	
						3.7	-	-	28.7		8.1		18.9		95.7		6.7		3.4		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	12:54	8.2	Surface	1.0	0.3	17	29.4	29.4	8.2	8.2	16.9	16.8	118.1	118.1	8.2	7.1	4.1	5.5	6	5	84	89	815615	804268	<0.2	<0.2	1.0	1.2
						1.0	0.3	18	29.4		8.2		16.8		118.0		8.2		4.2		6		86				<0.2		1.1	
					Middle	4.1	0.5	47	27.2	27.2	8.1	8.1	23.9	23.9	84.8	84.7	5.9		5.5		5		88				<0.2		1.4	
						4.1	0.5	47	27.2		8.1		23.9		84.5		5.9		5.5		6		90				<0.2		1.2	
					Bottom	7.2	0.4	47	25.3	25.4	8.0	8.0	29.2	29.2	63.7	63.8	4.4	4.4	6.8		5		92				<0.2		1.2	
						7.2	0.4	48	25.4		8.0		29.2		63.8		4.4		7.0		4		93				<0.2		1.3	
C2	Sunny	Moderate	11:47	11.0	Surface	1.0	0.5	187	29.5	29.5	8.0	8.0	14.4	14.4	108.1	107.9	7.6	6.3	2.6	3.4	4	4	86	89	825684	806934	<0.2	<0.2	1.7	1.6
						1.0	0.5	200	29.5		8.0		14.3		107.6		7.6		2.6		3		88				<0.2		1.8	
					Middle	5.5	0.3	203	26.6	26.6	7.8	7.8	24.2	24.3	71.3	71.1	5.0		2.9		3		89				<0.2		1.6	
						5.5	0.3	217	26.6		7.8		24.4		70.9		5.0		2.9		4		88				<0.2		1.6	
					Bottom	10.0	0.1	227	26.2	26.2	7.8	7.8	25.5	25.5	70.0	70.1	4.9	4.9	4.8		4		90				<0.2		1.6	
						10.0	0.1	237	26.2		7.8		25.5		70.2		4.9		4.7		4		90				<0.2		1.5	
C3	Sunny	Moderate	13:31	11.8	Surface	1.0	0.4	261	27.8	27.8	8.1	8.1	21.8	21.8	122.4	122.4	8.5	6.9	2.0	3.9	8	7	87	89	822124	817813	<0.2	<0.2	1.6	1.6
						1.0	0.4	268	27.8		8.1		21.8		122.4		8.5		2.0		7		86				<0.2		1.6	
					Middle	5.9	0.3	255	24.9	24.9	7.9	7.9	28.3	28.4	73.4	73.2	5.2		3.1		6		89				<0.2		1.5	
						5.9	0.4	280	24.8		7.9		28.6		73.0		5.2		3.5		7		89				<0.2		1.6	
					Bottom	10.8	0.5	272	24.2	24.2	7.9	7.9	29.9	29.9	66.7	67.0	4.7	4.8	6.3		6		90				<0.2		1.5	
						10.8	0.5	285	24.2		7.9		29.9		67.2		4.8		6.5		6		90				<0.2		1.6	
IM1	Sunny	Moderate	12:32	4.6	Surface	1.0	0.2	5	29.1	29.1	8.3	8.3	20.7	20.7	135.9	135.8	9.3	9.3	5.7	6.3	2	4	83	86	817927	807131	<0.2	<0.2	1.0	1.0
						1.0	0.3	5	29.1		8.3		20.7		135.6		9.3		5.9		3		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	343	26.6	26.7	8.1	8.1	27.2	27.2	90.6	91.1	6.2	6.3	6.8		5		88				<0.2		1.0	
						3.6	0.1	316	26.7		8.1		27.2		91.5		6.3		6.7		4		89				<0.2		1.0	
IM2	Sunny	Moderate	12:25	6.6	Surface	1.0	0.5	340	28.3	28.3	8.2	8.2	21.7	21.7	116.8	116.6	8.1	7.0	5.9	7.5	8	7	83	88	818141	806182	<0.2	<0.2	0.9	1.0
						1.0	0.5	313	28.3		8.2		21.7		116.3		8.0		6.2		9		84				<0.2		1.0	
					Middle	3.3	0.5	350	26.6	26.6	8.1	8.1	25.7	25.7	84.3	84.2	5.9		7.7		6		88				<0.2		0.9	
						3.3	0.5	322	26.6		8.1		25.7		84.0		5.8		7.5		7		88				<0.2		1.0	
					Bottom	5.6	0.2	345	25.1	25.1	8.0	8.0	29.8	29.8	61.7	61.8	4.3	4.3	8.8		5		91				<0.2		1.0	
						5.6	0.2	354	25.1		8.0		29.8		61.9		4.3		9.0		4		91				<0.2		1.0	
IM3	Sunny	Moderate	12:17	6.9	Surface	1.0	0.6	333	27.7	27.7	8.2	8.2	23.1	23.1	123.7	122.6	8.6	6.8	5.1	7.1	6	7	83	88	818783	805586	<0.2	<0.2	1.0	1.1
						1.0	0.6	335	27.6		8.2		23.2		121.5		8.4		5.0		5		83				<0.2		1.0	
					Middle	3.5	0.4	330	25.6	25.6	8.0	8.0	28.3	28.3	72.3	72.2	5.0		7.5		6		88				<0.2		1.0	
						3.5	0.4	304	25.6		8.0		28.4		72.1		5.0		7.5		7		88				<0.2		1.2	
					Bottom	5.9	0.3	285	24.9	24.9	8.0	8.0	30.1	30.1	59.7	59.8	4.2	4.2	8.7		8		92				<0.2		1.1	
						5.9	0.3	295	24.9		8.0		30.1		59.9		4.2		8.5		8		93				<0.2		1.0	
IM4	Sunny	Moderate	12:07	7.6	Surface	1.0	0.4	313	27.8	27.8	8.3	8.3	22.9	22.9	120.4	120.3	8.3	6.9	5.7	6.0	5	6	83	87	819711	804586	<0.2	<0.2	1.4	1.3
						1.0	0.4	332	27.8		8.3		22.9		120.1		8.3		5.7		5		83				<0.2		1.3	
					Middle	3.8	0.5	308	26.5	26.5	8.1	8.1	27.6	26.8	79.5	80.3	5.5		5.8		6		88				<0.2		1.2	
						3.8	0.5	319	26.5		8.1		26.0		81.0		5.6		5.8		5		88				<0.2		1.2	
					Bottom	6.6	0.3	333	25.0	25.0	8.0	8.0	29.9	29.9	61.3	61.5	4.3	4.3	6.6		8		91				<0.2		1.3	
						6.6	0.4	306	25.0		8.0		29.9		61.7		4.3		6.7		7		91				<0.2		1.5	
IM5	Sunny	Moderate	12:00	7.1	Surface	1.0	0.5	295	28.6	28.6	8.2	8.2	18.3	18.4	116.5	116.4	8.2	7.8	5.3	6.5	4	4	84	88	820748	804868	<0.2	<0.2	1.0	1.0
						1.0	0.5	323	28.5		8.2		18.4		116.2		8.2		5.6		3		85				<0.2		1.1	
					Middle	3.6	0.4	345	27.8	27.8	8.2	8.2	22.9	22.9	107.8	107.7	7.5		6.3		4		87				<0.2		1.0	
						3.6	0.4	356	27.8		8.2		23.0		107.6		7.4		6.2		4		87				<0.2		1.0	
					Bottom	6.1	0.3	21	25.6	25.7	8.0	8.0	28.4	28.4	68.7	68.8	4.8	4.8	7.9		5		92				<0.2		1.0	
						6.1	0.3	22	25.7		8.0		28.4		68.9		4.8		7.7		4		92				<0.2		0.9	
IM6	Sunny	Moderate	11:54	7.0	Surface	1.0	0.6	276	29.1	29.1	8.1	8.1	17.8	17.8	107.3	107.3	7.5	7.4	4.4	5.4	3	3	84	89	821076	805819	<0.2	<0.2	1.0	1.0
						1.0	0.6	300	29.1		8.1		17.8		107.2		7.5		4.5		3		85				<0.2		1.0	
					Middle	3.5	0.4	290	28.7	28.7	8.1	8.1	18.3	18.3	104.8	104.7	7.3		5.9		2		88				<0.2		1.0	
						3.5	0.5	316	28.6		8.1		18.3		104.5		7.3		5.6		3		90				<0.2		0.9	
					Bottom	6.0	0.2	298	28.3	28.3	8.0	8.0	21.2	21.2	92.8	92.8	6.4	6.4	6.1		4		92				<0.2		1.0	
						6.0	0.2	315	28.3		8.0		21.3		92.7		6.4		6.2		4		92				<0.2		1.0	
IM7	Sunny	Moderate	11:47	8.0	Surface	1.0	0.4	240	29.0	29.0	8.1	8.1	17.8	17.8	103.0	102.9	7.2	7.2	3.9	4.9	4	4	84	88	821354	806856	<0.2	<0.2	1.0	1.0
						1.0	0.5	256	29.0		8.1		17.8		102.8		7.2		4.0		4		84				<0.2		1.0	
					Middle	4.0	0.3	252	28.6	28.6	8.1	8.1	18.4	18.4	101.4	101.3	7.1		4.7		4		88				<0.2		0.9	
						4.0	0.3	271	28.5		8.1		18.4		101.2		7.1		4.8		4		88				<0.2		1.0	
					Bottom	7.0	0.3	256	28.4	28.4	8.1	8.1	21.2	21.2	92.2	92.4	6.4	6.4	5.7		3		91				<0.2		1.0	
						7.0	0.4	262	28.4		8.1		21.2		92.6		6.4		6.0		4		92				<0.2		1.1	
IM8	Sunny	Moderate	12:09	6.7	Surface	1.0	0.2	200	30.0	30.0	8.1	8.1	15.6	15.6	111.3	111.2	7.7	7.9	1.9	6.2	3	3	85	88	821840	808139	<0.2	<0.2	1.4	1.5
						1.0	0.2	209	30.0		8.1		15.6		111.1		7.7		2.0		3		87				<0.2		1.5	
					Middle	3.4	0.2	228	29.2	29.2	8.1	8.1	16.9	16.9	114.5	114.5	8.0		5.9		3		89				<0.2		1.5	
						3.4	0.2	238	29.1		8.1		17.0		114.4		8.0		5.9		4		88				<0.2		1.4	
					Bottom	5.7	0.1	235	28.9	28.9	8.0	8.0	17.4	17.5	109.0	108.9	7.6	7.6	10.2		4		90				<0.2		1.5	
						5.7	0.1	236	28.9		8.0		17.5		108.7		7.6		11.1		3		90				<0.2		1.4	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 July 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	12:15	6.6	Surface	1.0	0.1	284	29.9	29.9	8.1	8.1	16.2	16.1	115.0	115.0	8.0	7.8	2.3	2.8	5	4	86	88	822086	808812	<0.2	<0.2	1.4	1.4
						1.0	0.1	306	29.9		8.1		16.1		115.0		8.0		2.4		4		86				<0.2		1.5	
					Middle	3.3	0.1	331	28.9	28.9	8.1	8.1	17.5	17.5	109.4	109.2	7.7		2.7		4		88				<0.2		1.4	
						3.3	0.1	350	28.9		8.1		17.5		108.9		7.6		2.7		4		89				<0.2		1.4	
					Bottom	5.6	0.2	292	28.4	28.4	8.0	8.0	19.1	19.1	96.5	96.6	6.8	6.8	3.3		3		90				<0.2		1.4	
						5.6	0.2	318	28.4		8.0		19.1		96.7		6.8		3.3		4		90				<0.2		1.5	
IM10	Sunny	Moderate	12:21	6.6	Surface	1.0	0.2	315	29.0	29.0	8.1	8.1	17.7	17.8	117.2	117.1	8.2	7.8	2.4	4.0	3	3	86	88	822381	809803	<0.2	<0.2	1.5	1.4
						1.0	0.2	325	29.0		8.1		17.9		116.9		8.2		2.4		4		86				<0.2		1.4	
					Middle	3.3	0.3	301	28.5	28.5	8.0	8.0	18.8	18.8	105.0	105.1	7.3		3.3		3		88				<0.2		1.4	
						3.3	0.3	302	28.5		8.0		18.8		105.1		7.4		3.3		4		89				<0.2		1.5	
					Bottom	5.6	0.3	295	28.0	28.0	7.9	7.9	20.4	20.4	91.1	91.2	6.4	6.4	6.3		3		90				<0.2		1.4	
						5.6	0.3	306	28.0		7.9		20.5		91.2		6.4		6.3		3		90				<0.2		1.3	
IM11	Sunny	Moderate	12:32	7.2	Surface	1.0	0.4	293	28.7	28.7	8.1	8.1	18.6	18.6	115.2	114.9	8.0	7.2	2.6	5.5	3	4	86	88	822064	811476	<0.2	<0.2	1.3	1.4
						1.0	0.4	295	28.6		8.1		18.6		114.5		8.0		2.7		4		87				<0.2		1.4	
					Middle	3.6	0.5	298	28.0	28.0	7.9	7.9	20.8	20.8	92.0	91.6	6.4		5.5		4		88				<0.2		1.4	
						3.6	0.5	322	28.0		7.9		20.8		91.1		6.4		5.8		3		89				<0.2		1.4	
					Bottom	6.2	0.4	299	26.6	26.6	7.9	7.9	24.6	24.6	80.8	81.0	5.7	5.7	8.1		3		90				<0.2		1.5	
						6.2	0.4	311	26.6		7.9		24.7		81.2		5.7		8.2		4		90				<0.2		1.4	
IM12	Sunny	Moderate	12:38	8.3	Surface	1.0	0.4	308	28.9	28.9	8.2	8.2	18.1	18.1	125.5	125.4	8.8	8.4	2.7	7.2	3	4	87	89	821467	812040	<0.2	<0.2	1.5	1.5
						1.0	0.4	320	28.8		8.2		18.1		125.2		8.7		2.9		4		87				<0.2		1.4	
					Middle	4.2	0.7	295	28.4	28.4	8.2	8.2	20.9	20.9	116.4	115.2	8.1		7.4		5		88				<0.2		1.5	
						4.2	0.7	300	28.4		8.2		21.0		113.9		7.9		7.4		4		89				<0.2		1.4	
					Bottom	7.3	0.4	307	25.9	25.9	7.9	7.9	26.1	26.1	71.9	71.8	5.0	5.0	11.2		5		90				<0.2		1.4	
						7.3	0.4	319	25.9		7.9		26.2		71.7		5.0		11.4		4		90				<0.2		1.5	
SR1A	Sunny	Moderate	12:55	4.9	Surface	1.0	-	-	29.1	29.1	8.2	8.2	18.5	18.5	136.8	136.8	9.5	9.5	2.2	2.6	3	4	-	-	819974	812659	-	-	-	-
						1.0	-	-	29.1		8.2		18.5		136.7		9.5		2.3		4		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	28.8	28.9	8.2	8.2	19.9	19.9	126.5	124.2	8.7	8.6	3.0		5		-				-		-	
						3.9	-	-	29.0		8.2		19.9		121.9		8.4		3.0		4		-				-		-	
SR2	Sunny	Moderate	13:08	4.2	Surface	1.0	0.4	4	28.5	28.5	8.2	8.2	20.5	20.5	121.8	120.7	8.4	8.4	5.8	7.8	4	4	88	89	821448	814152	<0.2	<0.2	1.4	1.5
						1.0	0.4	4	28.5		8.2		20.5		119.6		8.3		6.3		4		89				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.3	17	26.8	26.8	8.0	8.0	24.1	24.1	89.6	89.7	6.3	6.3	9.4		3		90				<0.2		1.5	
						3.2	0.3	18	26.7		8.0		24.2		89.8		6.3		9.5		3		90				<0.2		1.5	
SR3	Sunny	Moderate	12:04	8.5	Surface	1.0	0.3	183	28.8	28.8	8.0	8.0	15.5	15.5	102.2	102.3	7.2	7.0	2.0	3.3	3	3	-	-	822157	807568	-	-	-	-
						1.0	0.4	193	28.8		8.0		15.6		102.4		7.3		2.0		3		-				-		-	
					Middle	4.3	0.2	207	28.4	28.4	8.0	8.0	18.4	18.4	97.0	96.8	6.8		3.0		3		-				-		-	
						4.3	0.2	218	28.3		8.0		18.3		96.5		6.8		3.1		2		-				-		-	
					Bottom	7.5	0.3	239	28.2	28.3	8.0	8.0	19.6	19.6	94.8	94.8	6.6	6.6	4.8		3		-				-		-	
						7.5	0.3	260	28.3		8.0		19.6		94.8		6.6		5.1		3		-				-		-	
SR4A	Sunny	Calm	13:13	8.9	Surface	1.0	0.1	254	29.4	29.4	8.3	8.3	20.9	21.0	135.2	135.1	9.2	8.5	7.8	8.4	6	7	-	-	817211	807793	-	-	-	-
						1.0	0.2	266	29.3		8.3		21.0		135.0		9.2		7.8		5		-				-		-	
					Middle	4.5	0.2	278	28.8	28.8	8.2	8.2	21.6	21.6	114.5	114.5	7.8		7.5		6		-				-		-	
						4.5	0.2	279	28.8		8.2		21.6		114.4		7.8		7.6		6		-				-		-	
					Bottom	7.9	0.2	274	26.3	26.3	8.0	8.0	27.4	27.4	71.5	71.7	5.0	5.0	10.0		9		-				-		-	
						7.9	0.2	292	26.3		8.0		27.5		71.8		5.0		9.8		10		-				-		-	
SR5A	Sunny	Calm	13:30	4.2	Surface	1.0	0.1	254	29.3	29.3	8.3	8.3	21.5	21.5	143.0	142.6	9.7	9.7	8.4	8.9	11	9	-	-	816597	810684	-	-	-	-
						1.0	0.1	259	29.2		8.3		21.6		142.2		9.7		8.7		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	293	29.0	29.0	8.3	8.3	21.8	21.8	128.2	128.1	8.7	8.7	9.4		6		-				-		-	
						3.2	0.1	321	29.0		8.3		21.8		127.9		8.7		9.2		8		-				-		-	
SR6A	Sunny	Calm	14:11	4.1	Surface	1.0	0.1	292	29.4	29.4	8.4	8.4	20.6	20.6	165.9	165.9	11.3	11.3	5.4	6.8	9	8	-	-	817974	814732	-	-	-	-
						1.0	0.1	318	29.4		8.4		20.6		165.9		11.3		5.5		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	328	29.2	29.2	8.3	8.3	21.3	21.3	151.5	151.1	10.3	10.3	8.0		6		-				-		-	
						3.1	0.1	341	29.2		8.3		21.3		150.6		10.3		8.2		7		-				-		-	
SR7	Sunny	Moderate	14:06	16.4	Surface	1.0	0.2	336	26.5	26.5	8.1	8.1	25.4	25.4	110.3	110.3	7.7	6.5	1.9	2.7	4	4	-	-	823659	823756	-	-	-	-
						1.0	0.2	339	26.5		8.1		25.4		110.2		7.7		2.0		3		-				-		-	
					Middle	8.2	0.1	51	25.0	25.1	7.9	7.9	28.0	28.0	73.8	73.8	5.2		2.2		4		-				-		-	
						8.2	0.1	55	25.1		7.9		27.9		73.8		5.2		2.2		4		-				-		-	
					Bottom	15.4	0.2	72	23.5	23.5	7.9	7.9	31.2	31.2	64.8	65.0	4.6	4.6	4.0		5		-				-		-	
						15.4	0.2	73	23.5		7.9		31.2		65.2		4.6		4.1		4		-				-		-	
SR8	Sunny	Moderate	12:46	4.7	Surface	1.0	-	-	29.5	29.5	8.2	8.2	18.3	18.3	120.7	120.6	8.3	8.3	3.5	4.6	5	6	-	-	820381	811644	-	-	-	-
						1.0	-	-	29.5		8.2		18.3		120.5		8.3		3.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	27.9	27.9	8.0	8.0	21.2	21.2	99.1	99.2	6.9	6.9	5.6		6		-				-		-	
						3.7	-	-	27.9		8.0		21.2		99.3		6.9		5.6		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 30 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	09:05	9.0	Surface	1.0	0.4	190	27.3	27.3	8.1	8.1	22.9	22.9	106.7	106.6	7.4	6.8	2.3	5.2	5	5	86	89	815598	804265	<0.2	<0.2	0.8	0.8
						1.0	0.4	202	27.3		8.1		22.9		106.5		7.4		2.2		4		87				<0.2		0.8	
					Middle	4.5	0.4	205	26.7	26.7	8.1	8.1	24.6	24.6	88.8	88.6	6.2		2.2		5		89				<0.2		0.8	
						4.5	0.4	216	26.7		8.1		24.6		88.4		6.2		2.2		6		89				<0.2		0.8	
					Bottom	8.0	0.5	196	24.2	24.2	7.8	7.8	29.9	29.9	54.2	54.3	3.8	3.8	11.3		6		91				<0.2		0.8	
						8.0	0.5	212	24.2		7.8		29.9		54.3		3.8		11.1		6		91				<0.2		0.9	
C2	Cloudy	Moderate	10:46	11.4	Surface	1.0	0.9	169	28.7	28.7	8.3	8.3	19.3	19.3	134.9	134.8	9.4	7.5	4.3	6.0	5	6	86	89	825673	806943	<0.2	<0.2	0.8	0.9
						1.0	1.0	178	28.7		8.3		19.4		134.7		9.4		4.4		6		87				<0.2		0.9	
					Middle	5.7	0.8	161	26.3	26.3	8.0	8.0	27.0	27.1	80.9	81.0	5.6		6.5		5		88				<0.2		0.8	
						5.7	0.8	174	26.2		8.0		27.2		81.0		5.6		6.4		6		88				<0.2		1.0	
					Bottom	10.4	0.4	153	25.6	25.6	8.0	8.0	28.7	28.7	76.1	76.2	5.3	5.3	7.3		7		92				<0.2		1.1	
						10.4	0.4	166	25.6		8.0		28.7		76.2		5.3		7.2		6		93				<0.2		1.0	
C3	Cloudy	Moderate	08:32	12.8	Surface	1.0	0.4	94	27.3	27.3	8.3	8.3	24.7	24.7	127.9	127.8	8.8	8.1	3.3	6.5	8	7	86	89	822107	817782	<0.2	<0.2	0.8	0.8
						1.0	0.4	95	27.3		8.3		24.7		127.6		8.8		3.3		6		87				<0.2		0.8	
					Middle	6.4	0.2	78	26.3	26.3	8.2	8.2	27.0	27.0	107.4	107.4	7.4		3.4		7		89				<0.2		0.8	
						6.4	0.3	80	26.3		8.2		27.0		107.4		7.4		3.4		7		89				<0.2		0.7	
					Bottom	11.8	0.2	51	24.4	24.4	8.1	8.1	31.3	31.3	74.9	74.9	5.2	5.2	12.9		6		92				<0.2		0.8	
						11.8	0.2	51	24.4		8.1		31.3		74.9		5.2		13.0		7		92				<0.2		0.7	
IM1	Fine	Moderate	09:28	5.3	Surface	1.0	0.2	251	26.2	26.2	8.0	8.0	25.7	25.7	82.9	82.8	5.8	5.8	3.6	5.7	6	6	87	88	817935	807152	<0.2	<0.2	0.7	0.7
						1.0	0.2	274	26.2		8.0		25.8		82.6		5.8		3.6		6		87				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	248	24.8	24.8	7.9	7.9	28.6	28.6	58.7	58.8	4.1	4.2	7.9		7		90				<0.2		0.7	
						4.3	0.1	259	24.8		7.9		28.6		58.9		4.2		7.5		6		89				<0.2		0.6	
IM2	Fine	Moderate	09:36	7.1	Surface	1.0	0.2	124	26.8	26.8	8.1	8.1	24.2	24.2	96.6	96.6	6.8	5.4	2.6	5.3	7	6	85	89	818154	806158	<0.2	<0.2	0.7	0.7
						1.0	0.2	124	26.8		8.1		24.2		96.5		6.7		2.6		6		86				<0.2		0.7	
					Middle	3.6	0.2	130	24.6	24.6	7.9	7.9	29.0	29.0	56.9	56.9	4.0		5.3		7		90				<0.2		0.7	
						3.6	0.2	131	24.6		7.9		29.0		56.9		4.0		5.2		6		89				<0.2		0.7	
					Bottom	6.1	0.1	143	24.5	24.5	7.9	7.9	29.4	29.4	57.3	57.5	4.0	4.1	8.2		4		91				<0.2		0.8	
						6.1	0.1	143	24.5		7.9		29.4		57.7		4.1		8.1		5		90				<0.2		0.6	
IM3	Fine	Moderate	09:43	7.3	Surface	1.0	0.2	212	27.0	27.0	8.2	8.2	23.4	23.4	105.7	105.6	7.4	5.7	3.0	7.6	6	6	85	88	818800	805597	<0.2	<0.2	0.6	0.7
						1.0	0.2	226	27.0		8.2		23.4		105.4		7.4		3.0		6		86				<0.2		0.7	
					Middle	3.7	0.2	170	24.7	24.7	7.9	7.9	28.9	28.9	55.3	55.3	3.9		9.2		6		89				<0.2		0.7	
						3.7	0.3	173	24.7		7.9		28.9		55.3		3.9		9.3		5		89				<0.2		0.8	
					Bottom	6.3	0.2	156	24.6	24.6	7.9	7.9	29.0	29.0	56.6	56.7	4.0	4.0	10.6		6		90				<0.2		0.7	
						6.3	0.2	169	24.6		7.9		29.0		56.7		4.0		10.6		5		90				<0.2		0.8	
IM4	Fine	Moderate	09:54	8.3	Surface	1.0	0.9	168	28.4	28.4	8.3	8.3	18.9	18.9	124.5	124.4	8.7	8.3	2.1	5.1	5	5	85	88	819740	804591	<0.2	<0.2	0.7	0.9
						1.0	1.0	168	28.4		8.3		18.9		124.3		8.7		2.1		4		85				<0.2		0.7	
					Middle	4.2	0.8	187	27.6	27.6	8.2	8.2	22.1	22.2	114.0	113.8	8.0		2.5		4		88				<0.2		0.9	
						4.2	0.9	194	27.5		8.2		22.2		113.5		7.9		2.6		5		89				<0.2		1.0	
					Bottom	7.3	0.6	182	25.0	25.0	7.9	7.9	28.2	28.2	62.1	62.2	4.4	4.4	10.6		5		90				<0.2		1.0	
						7.3	0.6	182	25.0		7.9		28.2		62.3		4.4		10.8		5		90				<0.2		0.9	
IM5	Fine	Moderate	10:05	7.6	Surface	1.0	0.6	195	27.8	27.8	8.2	8.2	20.8	20.8	111.9	111.8	7.8	6.9	2.1	5.2	3	4	85	88	820739	804851	<0.2	<0.2	0.7	1.0
						1.0	0.6	197	27.8		8.2		20.8		111.6		7.8		2.1		3		85				<0.2		0.8	
					Middle	3.8	0.5	219	26.5	26.5	8.0	8.0	24.5	24.5	84.7	84.6	5.9		3.2		3		89				<0.2		1.1	
						3.8	0.5	229	26.5		8.0		24.5		84.5		5.9		3.1		4		89				<0.2		1.2	
					Bottom	6.6	0.8	210	24.7	24.7	7.9	7.9	28.7	28.7	55.8	55.9	3.9	3.9	10.3		4		90				<0.2		1.1	
						6.6	0.8	220	24.7		7.9		28.7		55.9		3.9		10.4		4		91				<0.2		1.0	
IM6	Fine	Moderate	10:14	7.4	Surface	1.0	0.4	216	27.8	27.8	8.3	8.3	20.9	20.9	127.0	126.9	8.9	8.1	2.0	5.8	3	5	86	89	821070	805843	<0.2	<0.2	0.6	0.8
						1.0	0.4	229	27.8		8.3		20.9		126.7		8.9		2.0		4		85				<0.2		0.7	
					Middle	3.7	0.4	225	27.4	27.4	8.1	8.1	22.5	22.5	103.5	103.5	7.2		2.3		4		89				<0.2		0.8	
						3.7	0.4	235	27.4		8.1		22.5		103.4		7.2		2.4		5		90				<0.2		0.9	
					Bottom	6.4	0.4	233	24.8	24.8	7.9	7.9	28.7	28.7	57.5	57.7	4.1	4.1	13.3		6		91				<0.2		0.9	
						6.4	0.4	254	24.8		7.9		28.7		57.8		4.1		13.0		5		90				<0.2		0.9	
IM7	Fine	Moderate	10:23	8.6	Surface	1.0	0.1	283	28.6	28.6	8.4	8.4	20.8	20.8	158.4	158.2	10.9	8.3	1.9	5.2	4	6	86	88	821331	806852	<0.2	<0.2	0.6	0.8
						1.0	0.1	306	28.6		8.4		20.8		158.0		10.9		1.9		5		85				<0.2		0.7	
					Middle	4.3	0.2	286	26.5	26.5	8.0	8.0	24.7	24.7	81.0	80.9	5.7		3.7		6		89				<0.2		0.9	
						4.3	0.2	289	26.5		8.0		24.7		80.7		5.7		3.8		6		88				<0.2		0.9	
					Bottom	7.6	0.2	235	24.9	24.9	7.9	7.9	28.4	28.4	58.2	58.3	4.1	4.1	9.9		6		91				<0.2		0.9	
						7.6	0.2	239	24.9		7.9		28.4		58.3		4.1		9.8		6		90				<0.2		0.9	
IM8	Cloudy	Moderate	10:15	7.7	Surface	1.0	0.1	194	27.8	27.8	8.3	8.3	23.0	22.9	126.9	127.1	8.8	7.3	4.0	5.7	6	6	87	90	821816	808147	<0.2	<0.2	0.8	0.8
						1.0	0.1	195	27.8		8.3		22.9		127.2		8.8		4.0		5		88				<0.2		0.8	
					Middle	3.9	0.1	189	26.6	26.6	8.1	8.1	25.9	25.9	83.9	83.9	5.8		5.4		5		90				<0.2		0.8	
						3.9	0.2	203	26.6		8.1		25.9		83.8		5.8		5.4		6		91				<0.2		0.8	
					Bottom	6.7	0.1	145	25.6	25.6	8.0	8.0	28.5	28.5	65.9	66.0	4.6	4.6	7.8		7		91				<0.2		0.8	
						6.7	0.1	154	25.6		8.0		28.5		66.0		4.6		7.7		6		91				<0.2		0.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 30 July 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	10:09	7.2	Surface	1.0	0.1	76	28.2	28.2	8.4	8.4	22.1	22.1	141.3	141.2	9.8	7.9	3.6	6.0	7	7	86	89	822099	808788	<0.2	<0.2	1.0	0.9
						1.0	0.1	78	28.2		8.4		22.1		141.0		9.7		3.6		8		86				<0.2		0.9	
					Middle	3.6	0.3	122	26.7	26.7	8.0	8.0	25.7	25.7	87.7	87.7	6.1		6.0		7		90				<0.2		0.9	
						3.6	0.3	132	26.6		8.0		25.7		87.6		6.1		6.2		6		90				<0.2		0.9	
					Bottom	6.2	0.2	95	26.0	26.0	8.0	8.0	28.1	28.1	70.8	71.1	4.9	4.9	8.2		6		91				<0.2		1.0	
						6.2	0.2	101	26.0		8.0		28.1		71.4		4.9		8.1		7		92				<0.2		0.9	
IM10	Cloudy	Moderate	09:59	7.8	Surface	1.0	0.7	117	28.1	28.2	8.3	8.3	22.2	22.1	124.1	126.6	8.6	7.2	4.0	6.4	8	7	87	89	822408	809800	<0.2	<0.2	0.9	0.9
						1.0	0.7	124	28.2		8.3		22.1		129.0		8.9		4.1		8		87				<0.2		1.0	
					Middle	3.9	0.6	112	26.5	26.5	8.0	8.0	26.3	26.3	80.8	80.9	5.6		6.7		6		89				<0.2		1.0	
						3.9	0.7	119	26.4		8.0		26.4		81.0		5.6		6.8		6		89				<0.2		0.9	
					Bottom	6.8	0.5	103	26.2	26.2	8.0	8.0	27.1	27.1	76.2	76.4	5.3	5.3	8.7		5		90				<0.2		0.9	
						6.8	0.5	103	26.2		8.0		27.1		76.5		5.3		8.4		6		91				<0.2		0.9	
IM11	Cloudy	Moderate	09:45	7.3	Surface	1.0	0.6	110	28.4	28.4	8.3	8.3	21.6	21.6	132.3	132.2	9.1	8.1	3.6	7.0	6	7	87	89	822054	811449	<0.2	<0.2	0.9	0.9
						1.0	0.6	110	28.4		8.3		21.6		132.0		9.1		3.6		6		88				<0.2		0.9	
					Middle	3.7	0.6	111	27.4	27.5	8.1	8.1	23.6	23.5	100.8	100.9	7.0		5.5		6		89				<0.2		0.9	
						3.7	0.7	113	27.5		8.2		23.5		100.9		7.0		5.9		7		89				<0.2		0.9	
					Bottom	6.3	0.5	107	26.0	26.0	8.0	8.0	27.6	27.6	77.9	78.1	5.4	5.4	11.7		7		91				<0.2		1.0	
						6.3	0.6	113	26.0		8.0		27.6		78.3		5.4		11.6		7		91				<0.2		0.9	
IM12	Cloudy	Moderate	09:37	9.8	Surface	1.0	0.6	114	27.4	27.4	8.2	8.2	24.1	24.1	103.9	103.9	7.2	6.4	5.0	7.2	5	6	86	88	821468	812032	<0.2	<0.2	0.8	0.9
						1.0	0.7	122	27.4		8.2		24.1		103.8		7.2		5.0		5		86				<0.2		0.8	
					Middle	4.9	0.3	104	26.5	26.5	8.0	8.0	26.4	26.4	79.7	79.7	5.5		7.7		6		88				<0.2		0.9	
						4.9	0.3	110	26.5		8.0		26.5		79.7		5.5		7.7		6		88				<0.2		0.9	
					Bottom	8.8	0.2	83	25.8	25.8	8.0	8.0	28.1	28.1	75.6	75.7	5.3	5.3	9.0		6		89				<0.2		0.8	
						8.8	0.2	91	25.8		8.0		28.1		75.8		5.3		9.0		7		90				<0.2		1.0	
SR1A	Cloudy	Moderate	09:14	5.2	Surface	1.0	-	-	28.1	28.1	8.3	8.2	22.9	23.0	130.5	130.4	9.0	9.0	3.8	4.1	8	7	-	-	819976	812664	-	-	-	-
						1.0	-	-	28.0		8.2		23.1		130.3		9.0		3.9		7		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	27.6	27.7	8.2	8.2	24.2	24.1	114.4	114.4	7.9	7.9	4.3		7		-				-		-	
						4.2	-	-	27.7		8.2		24.1		114.3		7.9		4.3		6		-				-		-	
SR2	Cloudy	Moderate	08:58	4.8	Surface	1.0	0.4	89	27.3	27.3	8.1	8.1	24.4	24.4	97.9	98.0	6.8	6.8	4.4	6.1	5	5	86	88	821447	814172	<0.2	<0.2	0.9	0.9
						1.0	0.4	91	27.3		8.1		24.4		98.0		6.8		4.4		5		87				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	81	27.0	27.0	8.1	8.1	25.2	25.2	90.7	90.7	6.3	6.3	7.7		5		90				<0.2		0.8	
						3.8	0.2	84	27.0		8.1		25.2		90.7		6.3		7.9		5		90				<0.2		0.8	
SR3	Cloudy	Moderate	10:22	8.8	Surface	1.0	0.3	166	28.1	28.1	8.3	8.3	22.6	22.6	136.5	136.4	9.4	7.6	3.9	7.1	3	5	-	-	822169	807589	-	-	-	-
						1.0	0.4	172	28.1		8.3		22.6		136.3		9.4		3.8		2		-				-		-	
					Middle	4.4	0.2	189	26.8	26.8	8.1	8.1	25.6	25.6	84.2	84.1	5.8		4.9		5		-				-		-	
						4.4	0.2	198	26.8		8.1		25.6		83.9		5.8		5.5		4		-				-		-	
					Bottom	7.8	0.1	263	25.4	25.4	8.0	8.0	28.9	28.9	60.2	60.3	4.2	4.2	12.3		7		-				-		-	
						7.8	0.1	272	25.4		8.0		28.9		60.4		4.2		12.2		6		-				-		-	
SR4A	Fine	Calm	08:45	9.7	Surface	1.0	0.0	7	27.2	27.2	8.1	8.1	23.3	23.3	101.2	100.8	7.1	5.5	4.0	5.7	4	5	-	-	817176	807832	-	-	-	-
						1.0	0.0	7	27.2		8.1		23.3		100.3		7.0		4.0		4		-				-		-	
					Middle	4.9	0.1	57	24.9	24.9	7.8	7.8	28.4	28.4	56.7	56.7	4.0		4.8		4		-				-		-	
						4.9	0.1	60	24.9		7.8		28.4		56.7		4.0		4.8		5		-				-		-	
					Bottom	8.7	0.1	48	24.8	24.8	7.8	7.8	28.7	28.7	56.4	56.5	4.0	4.0	8.3		5		-				-		-	
						8.7	0.1	49	24.8		7.8		28.7		56.6		4.0		8.2		5		-				-		-	
SR5A	Fine	Calm	08:29	3.8	Surface	1.0	0.1	91	28.1	28.1	8.1	8.1	22.5	22.5	110.6	110.6	7.6	7.6	4.2	4.6	6	6	-	-	816578	810690	-	-	-	-
						1.0	0.1	93	28.1		8.1		22.5		110.5		7.6		4.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	295	27.8	27.8	8.1	8.1	22.7	22.7	105.2	105.3	7.3	7.3	5.0		6		-				-		-	
						2.8	0.1	302	27.8		8.1		22.7		105.3		7.3		5.0		6		-				-		-	
SR6A	Fine	Calm	08:00	4.3	Surface	1.0	0.1	11	27.8	27.8	8.0	8.0	22.2	22.3	108.4	108.3	7.5	7.5	7.7	9.3	6	6	-	-	817968	814729	-	-	-	-
						1.0	0.1	11	27.7		8.0		22.3		108.1		7.5		8.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	213	27.1	27.1	8.0	8.0	23.7	23.7	97.6	97.8	6.8	6.8	10.5		6		-				-		-	
						3.3	0.1	214	27.1		8.0		23.7		97.9		6.8		10.7		6		-				-		-	
SR7	Cloudy	Moderate	07:53	15.8	Surface	1.0	0.7	50	25.6	25.6	8.1	8.1	28.8	28.8	95.2	95.2	6.6	6.4	3.4	3.6	6	6	-	-	823659	823725	-	-	-	-
						1.0	0.7	50	25.6		8.1		28.8		95.2		6.6		3.4		4		-				-		-	
					Middle	7.9	0.5	25	25.4	25.4	8.0	8.0	29.3	29.3	88.7	88.6	6.2		3.5		6		-				-		-	
						7.9	0.5	27	25.4		8.0		29.4		88.5		6.2		3.4		5		-				-		-	
					Bottom	14.8	0.6	46	23.8	23.8	7.8	7.8	32.3	32.3	72.7	73.0	5.1	5.2	3.8		8		-				-		-	
						14.8	0.7	47	23.7		7.8		32.3		73.2		5.2		3.9		7		-				-		-	
SR8	Cloudy	Moderate	09:26	5.4	Surface	1.0	-	-	28.1	28.1	8.2	8.2	22.4	22.4	128.8	128.8	8.9	8.9	4.7	4.9	6	7	-	-	820369	811622	-	-	-	-
						1.0	-	-	28.1		8.2		22.4		128.7		8.9		4.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	27.8	27.8	8.2	8.2	23.5	23.5	113.1	113.0	7.8	7.8	5.1		8		-				-		-	
						4.4	-	-	27.8		8.2		23.5		112.9		7.8		5.1		7		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 30 July 20 during Mid-Flood Tide

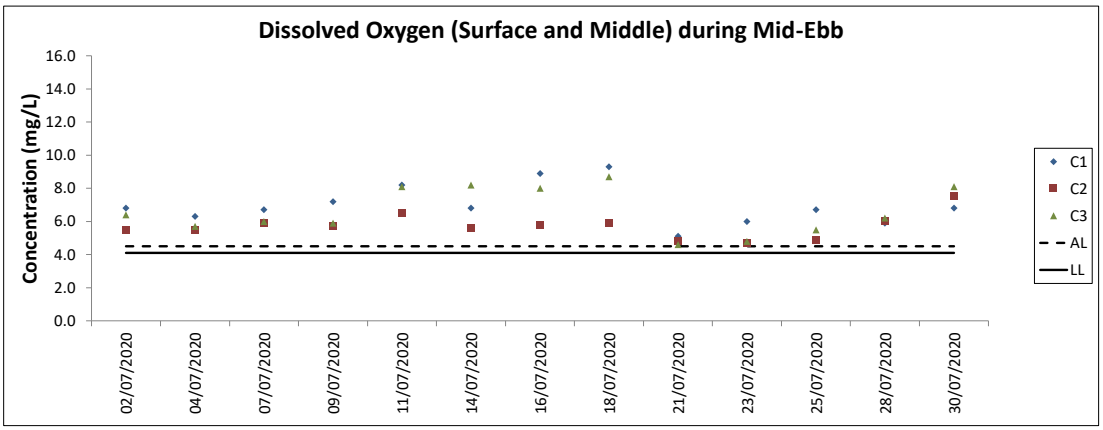
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	16:27	8.0	Surface	1.0	0.4	47	28.9	28.9	8.4	8.4	19.4	19.4	150.0	149.8	10.4	8.5	6.0	9.0	11	12	87	89	815628	804246	<0.2	<0.2	0.9	0.9
						1.0	0.4	50	28.9		8.4		19.4		149.6		10.4		5.9		10		87				<0.2		0.9	
					Middle	4.0	0.3	47	26.6	26.6	8.1	8.1	24.5	24.5	94.0	93.8	6.6		8.7		12		89				<0.2		0.9	
						4.0	0.3	51	26.6		8.1		24.5		93.6		6.6		8.7		11		89				<0.2		0.9	
					Bottom	7.0	0.3	41	25.1	25.1	7.9	7.9	28.1	28.1	65.1	65.2	4.6	4.6	12.2		13		92				<0.2		0.9	
						7.0	0.3	43	25.1		7.9		28.1		65.2		4.6		12.3		12		91				<0.2		0.9	
C2	Fine	Rough	15:10	11.1	Surface	1.0	0.5	227	29.4	29.4	8.3	8.2	16.8	16.8	117.3	117.3	8.2	6.9	5.3	8.1	6	7	82	87	825677	806940	<0.2	<0.2	1.4	1.5
						1.0	0.5	230	29.4		8.2		16.8		117.3		8.1		5.2		6		83				<0.2		1.4	
					Middle	5.6	0.4	289	26.5	26.5	8.1	8.1	26.0	26.0	80.6	80.4	5.6		4.5		7		86				<0.2		1.5	
						5.6	0.4	310	26.5		8.1		26.0		80.2		5.6		4.6		7		86				<0.2		1.5	
					Bottom	10.1	0.3	300	26.1	26.1	8.1	8.1	27.5	27.5	78.7	78.8	5.5	5.5	14.7		8		93				<0.2		1.5	
						10.1	0.3	302	26.1		8.1		27.5		78.9		5.5		14.4		7		93				<0.2		1.5	
C3	Fine	Moderate	17:21	12.2	Surface	1.0	0.4	257	27.9	27.9	8.5	8.5	24.9	24.9	167.9	167.5	11.5	8.4	3.6	5.3	10	11	83	88	822126	817820	<0.2	<0.2	0.8	0.8
						1.0	0.4	270	27.9		8.5		24.9		167.0		11.4		3.6		10		84				<0.2		0.8	
					Middle	6.1	0.6	256	24.7	24.7	8.0	8.0	30.6	30.6	76.1	76.1	5.3		5.0		12		87				<0.2		0.8	
						6.1	0.6	266	24.6		8.0		30.7		76.1		5.3		5.2		11		87				<0.2		0.8	
					Bottom	11.2	0.3	273	24.4	24.4	8.0	8.0	31.3	31.3	71.8	71.9	5.0	5.0	7.0		12		92				<0.2		0.7	
						11.2	0.3	290	24.4		8.0		31.3		71.9		5.0		7.2		12		92				<0.2		0.7	
IM1	Fine	Moderate	16:06	4.7	Surface	1.0	0.0	133	28.1	28.1	8.3	8.3	23.2	23.2	143.8	143.6	9.9	9.9	4.6	5.5	10	10	88	89	817950	807152	<0.2	<0.2	0.9	0.9
						1.0	0.0	143	28.1		8.3		23.2		143.4		9.8		4.7		11		88				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	267	25.9	25.9	8.1	8.1	27.1	27.1	109.5	109.6	7.6	7.7	6.3		9		90				<0.2		1.0	
						3.7	0.2	285	25.8		8.1		27.1		109.7		7.7		6.4		8		89				<0.2		0.9	
IM2	Fine	Moderate	15:57	6.6	Surface	1.0	0.6	10	28.7	28.7	8.4	8.4	20.7	20.7	162.1	162.0	11.2	8.7	4.1	8.5	6	8	87	89	818154	806157	<0.2	<0.2	0.9	1.0
						1.0	0.6	10	28.7		8.4		20.7		161.8		11.2		4.1		7		86				<0.2		0.8	
					Middle	3.3	0.3	357	25.8	25.8	8.0	8.0	26.6	26.6	89.3	88.9	6.3		8.4		8		89				<0.2		1.0	
						3.3	0.3	328	25.8		8.0		26.7		88.4		6.2		8.6		7		89				<0.2		1.0	
					Bottom	5.6	0.2	323	24.9	24.9	7.9	7.9	28.6	28.6	62.6	62.9	4.4	4.5	12.7		10		91				<0.2		1.0	
						5.6	0.2	353	24.9		7.9		28.7		63.2		4.5		13.0		10		91				<0.2		1.0	
IM3	Fine	Moderate	15:49	6.5	Surface	1.0	0.6	11	28.7	28.7	8.5	8.5	20.7	20.7	158.5	158.0	10.9	7.7	2.8	7.1	7	7	87	89	818790	805574	<0.2	<0.2	0.9	0.9
						1.0	0.6	11	28.7		8.5		20.7		157.4		10.9		2.8		7		87				<0.2		0.8	
					Middle	3.3	0.3	349	25.1	25.1	7.9	7.9	28.0	28.1	64.4	64.3	4.5		6.7		6		89				<0.2		1.0	
						3.3	0.3	321	25.1		7.9		28.1		64.2		4.5		6.9		7		89				<0.2		0.8	
					Bottom	5.5	0.3	309	24.8	24.8	7.9	7.9	28.8	28.8	57.9	58.2	4.1	4.1	11.8		7		91				<0.2		0.9	
						5.5	0.3	329	24.8		7.9		28.7		58.5		4.1		11.9		6		91				<0.2		0.8	
IM4	Fine	Moderate	15:36	7.8	Surface	1.0	0.7	339	27.2	27.2	8.3	8.3	24.2	24.2	132.3	132.8	9.2	7.4	3.0	5.4	6	7	86	89	819735	804618	<0.2	<0.2	1.0	0.9
						1.0	0.7	341	27.2		8.3		24.2		133.2		9.2		3.0		7		87				<0.2		1.0	
					Middle	3.9	0.6	355	25.4	25.4	8.0	8.0	27.5	27.6	80.3	80.6	5.6		3.6		7		89				<0.2		0.9	
						3.9	0.6	327	25.3		8.0		27.6		80.9		5.7		3.6		7		89				<0.2		0.9	
					Bottom	6.8	0.5	338	24.6	24.6	7.9	7.9	29.1	29.1	59.0	59.3	4.2	4.2	9.4		8		91				<0.2		0.9	
						6.8	0.5	359	24.6		7.9		29.1		59.5		4.2		9.5		7		90				<0.2		0.9	
IM5	Fine	Moderate	15:25	6.9	Surface	1.0	0.4	350	28.3	28.3	8.4	8.4	21.9	21.9	149.6	149.6	10.3	9.4	4.1	5.2	5	7	86	89	820744	804882	<0.2	<0.2	1.0	0.9
						1.0	0.5	322	28.3		8.4		21.9		149.6		10.3		4.2		6		86				<0.2		0.9	
					Middle	3.5	0.6	354	27.1	27.1	8.2	8.2	24.8	24.9	121.8	121.3	8.4		4.6		7		89				<0.2		0.9	
						3.5	0.7	326	27.0		8.2		24.9		120.7		8.4		4.6		8		89				<0.2		0.9	
					Bottom	5.9	0.4	3	25.6	25.6	8.0	8.0	27.5	27.4	83.2	83.4	5.8	5.9	6.8		8		91				<0.2		0.9	
						5.9	0.4	3	25.6		8.0		27.4		83.6		5.9		6.9		8		91				<0.2		0.9	
IM6	Fine	Moderate	15:18	6.7	Surface	1.0	0.5	281	29.2	29.2	8.4	8.4	17.5	17.4	160.3	160.4	11.2	10.4	2.8	6.7	6	6	86	89	821074	805816	<0.2	<0.2	1.3	1.3
						1.0	0.6	301	29.2		8.4		17.4		160.4		11.2		2.9		7		86				<0.2		1.3	
					Middle	3.4	0.4	284	28.3	28.3	8.3	8.3	20.7	20.7	137.6	137.3	9.6		5.3		5		89				<0.2		1.4	
						3.4	0.4	307	28.3		8.3		20.7		136.9		9.5		5.3		6		89				<0.2		1.3	
					Bottom	5.7	0.1	66	26.2	26.2	8.1	8.1	26.6	26.6	95.0	95.2	6.6	6.6	12.1		5		91				<0.2		1.3	
						5.7	0.2	66	26.2		8.1		26.6		95.3		6.6		12.0		5		90				<0.2		1.3	
IM7	Fine	Moderate	15:12	8.5	Surface	1.0	0.6	264	29.5	29.5	8.3	8.3	15.5	15.5	138.1	138.0	9.7	8.2	2.5	5.6	7	6	86	88	821327	806828	<0.2	<0.2	1.4	1.5
						1.0	0.7	280	29.5		8.3		15.5		137.8		9.7		2.5		6		86				<0.2		1.5	
					Middle	4.3	0.5	268	27.4	27.4	8.0	8.0	21.9	21.9	94.7	94.6	6.6		2.2		5		88				<0.2		1.5	
						4.3	0.5	286	27.4		8.0		21.9		94.5		6.6		2.2		6		88				<0.2		1.4	
					Bottom	7.5	0.3	277	26.3	26.3	8.0	8.0	25.3	25.3	79.3	79.6	5.6	5.6	12.1		5		90				<0.2		1.4	
						7.5	0.4	297	26.3		8.0		25.3		79.9		5.6		12.2		5		90				<0.2		1.6	
IM8	Fine	Moderate	15:39	7.2	Surface	1.0	0.2	291	29.8	29.8	8.6	8.6	20.0	20.0	195.6	195.5	13.3	12.5	3.9	5.8	7	6	83	88	821822	808149	<0.2	<0.2	1.1	1.0
						1.0	0.2	310	29.8		8.6		20.0		195.3		13.3		4.0		6		84				<0.2		0.9	
					Middle	3.6	0.3	276	28.9	28.9	8.5	8.5	21.4	21.4	169.5	169.4	11.6		5.9		6		87				<0.2		1.0	
						3.6	0.3	301	28.8		8.5		21.5		169.2		11.6		6.0		5		87				<0.2		1.0	
					Bottom	6.2	0.2	232	28.2	28.2	8.2	8.2	22.4	22.4	130.2	130.2	9.0	9.0	7.6		5		92				<0.2		1.0	
						6.2	0.2	237	28.2		8.2		22.4		130.1		9.0		7.7		5		92				<0.2		1.1	

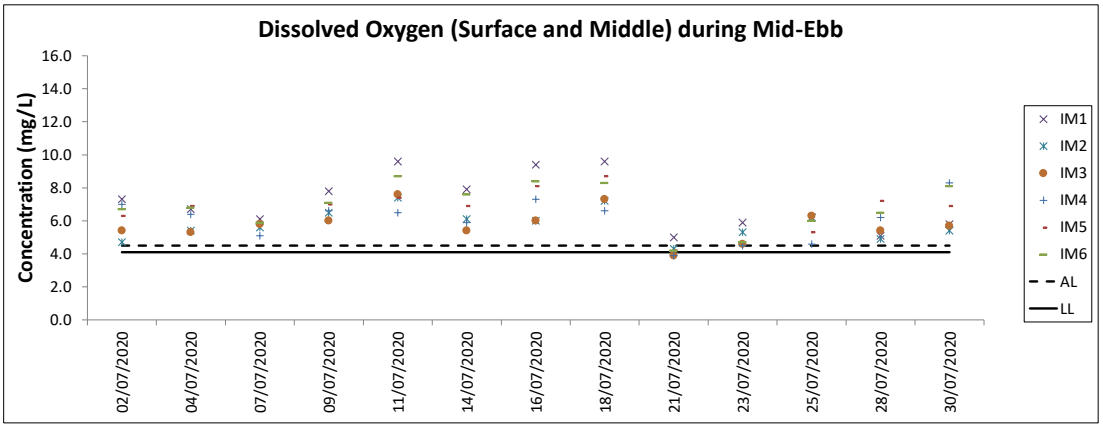
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

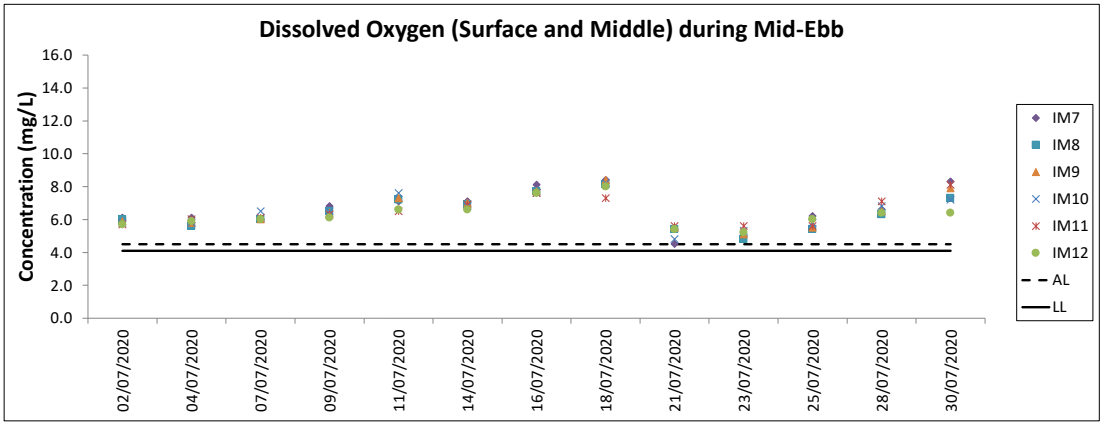
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 30 July 20 during Mid-Flood Tide

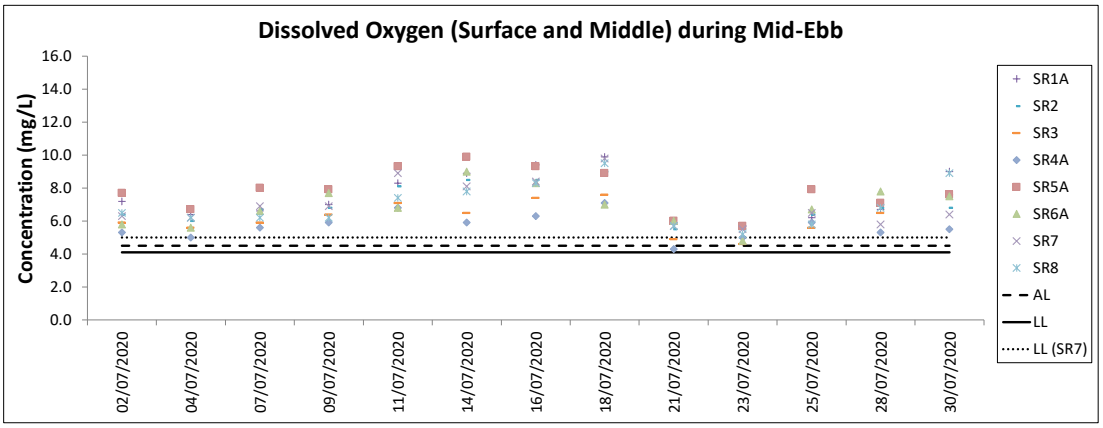
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	15:46	6.9	Surface	1.0	0.4	253	28.9	28.9	8.5	8.5	21.9	21.9	175.0	174.9	12.0	10.7	5.2	9.5	7	8	83	88	822117	808795	<0.2	<0.2	0.9	0.9
						1.0	0.5	260	28.8		8.5		21.9		174.7		11.9		5.1		8		84				<0.2		0.8	
					Middle	3.5	0.4	248	28.2	28.3	8.4	8.4	22.9	22.9	138.6	138.6	9.5		13.0		8		87				<0.2		0.9	
						3.5	0.4	254	28.3		8.4		22.9		138.6		9.5		13.1		8		87				<0.2		0.9	
					Bottom	5.9	0.3	261	27.8	27.8	8.2	8.2	23.6	23.6	123.2	120.4	8.5	8.3	10.7		8		92				<0.2		1.1	
						5.9	0.3	282	27.8		8.2		23.6		117.6		8.1		10.1		9		92				<0.2		1.0	
IM10	Fine	Moderate	15:57	7.7	Surface	1.0	0.4	318	28.8	28.8	8.5	8.5	22.1	22.1	171.8	171.6	11.7	9.5	4.7	7.0	8	7	85	88	822400	809786	<0.2	<0.2	0.9	0.9
						1.0	0.4	339	28.8		8.5		22.1		171.4		11.7		4.7		7		85				<0.2		0.9	
					Middle	3.9	0.3	310	27.3	27.3	8.1	8.1	24.7	24.7	105.2	105.3	7.3		8.1		7		86				<0.2		0.8	
						3.9	0.3	335	27.3		8.1		24.7		105.4		7.3		8.1		7		87				<0.2		0.9	
					Bottom	6.7	0.2	300	27.2	27.2	8.1	8.1	24.9	24.9	101.2	101.4	7.0	7.0	8.3		6		92				<0.2		0.8	
						6.7	0.2	320	27.2		8.1		24.9		101.6		7.0		8.3		5		92				<0.2		0.8	
IM11	Fine	Moderate	16:11	7.5	Surface	1.0	0.5	299	29.2	29.2	8.6	8.6	23.0	23.0	196.8	193.9	13.3	10.5	4.7	6.0	8	8	84	88	822052	811472	<0.2	<0.2	1.0	0.9
						1.0	0.5	300	29.2		8.6		23.0		191.0		12.9		4.7		9		84				<0.2		0.9	
					Middle	3.8	0.5	281	27.3	27.3	8.2	8.2	24.7	24.7	113.1	113.0	7.8		4.9		7		86				<0.2		1.0	
						3.8	0.5	281	27.3		8.2		24.7		112.9		7.8		5.0		8		87				<0.2		0.8	
					Bottom	6.5	0.2	270	25.7	25.7	8.0	8.0	28.3	28.3	82.1	82.3	5.7	5.7	8.2		7		93				<0.2		0.8	
						6.5	0.2	286	25.7		8.0		28.3		82.4		5.7		8.3		8		94				<0.2		0.8	
IM12	Fine	Moderate	16:20	9.3	Surface	1.0	0.3	272	27.5	27.5	8.3	8.3	25.1	25.1	132.2	132.1	9.1	7.9	6.8	8.0	8	9	82	86	821448	812049	<0.2	<0.2	0.7	0.7
						1.0	0.4	276	27.5		8.3		25.1		132.0		9.1		6.8		8		82				<0.2		0.7	
					Middle	4.7	0.2	295	26.7	26.7	8.1	8.1	26.1	26.1	97.4	97.5	6.7		8.2		8		85				<0.2		0.7	
						4.7	0.2	302	26.7		8.1		26.0		97.6		6.8		8.1		10		85				<0.2		0.8	
					Bottom	8.3	0.1	205	25.6	25.6	8.0	8.0	28.6	28.6	76.5	76.7	5.3	5.3	9.0		10		90				<0.2		0.8	
						8.3	0.1	211	25.6		8.0		28.6		76.8		5.3		9.0		9		91				<0.2		0.7	
SR1A	Fine	Moderate	16:41	5.0	Surface	1.0	-	-	28.9	28.9	8.5	8.5	23.5	23.5	161.8	162.0	11.0	11.0	6.0	9.3	9	8	-	-	819978	812664	-	-	-	-
						1.0	-	-	28.9		8.5		23.5		162.2		11.0		6.2		8		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	27.6	27.6	8.2	8.2	25.2	25.2	110.6	110.6	7.6	7.6	12.7		7		-				-		-	
						4.0	-	-	27.6		8.2		25.1		110.5		7.6		12.4		7		-				-		-	
SR2	Fine	Moderate	16:55	4.6	Surface	1.0	0.4	308	27.9	27.9	8.4	8.4	24.8	24.8	166.4	166.0	11.4	11.4	6.1	11.9	10	9	86	88	821453	814159	<0.2	<0.2	0.7	0.8
						1.0	0.4	316	27.9		8.4		24.8		165.6		11.3		6.2		9		86				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	299	26.4	26.4	8.2	8.2	27.2	27.2	105.4	105.3	7.3	7.3	17.5		8		90				<0.2		0.9	
						3.6	0.2	311	26.4		8.2		27.2		105.2		7.3		17.7		8		90				<0.2		0.8	
SR3	Fine	Rough	15:31	8.6	Surface	1.0	0.3	273	29.7	29.7	8.5	8.5	18.3	18.3	173.3	173.1	11.9	10.1	4.2	5.9	6	6	-	-	822148	807567	-	-	-	-
						1.0	0.3	294	29.7		8.5		18.3		172.9		11.9		4.2		6		-				-		-	
					Middle	4.3	0.2	225	28.1	28.1	8.2	8.2	21.9	21.9	117.9	117.9	8.2		3.6		6		-				-		-	
						4.3	0.2	229	28.1		8.2		21.9		117.8		8.2		3.6		6		-				-		-	
					Bottom	7.6	0.2	186	26.6	26.6	8.1	8.0	26.4	26.4	84.4	81.6	5.8	5.6	10.0		7		-				-		-	
						7.6	0.2	191	26.6		8.0		26.5		78.7		5.4		9.8		6		-				-		-	
SR4A	Fine	Calm	16:48	9.5	Surface	1.0	0.1	35	28.8	28.8	8.4	8.4	22.3	22.3	146.6	146.4	10.0	8.5	6.8	11.1	11	11	-	-	817211	807790	-	-	-	-
						1.0	0.1	35	28.8		8.4		22.3		146.1		10.0		7.0		11		-				-		-	
					Middle	4.8	0.2	48	27.0	27.0	8.1	8.1	24.8	24.8	101.0	101.0	7.0		10.9		12		-				-		-	
						4.8	0.2	51	27.0		8.1		24.8		100.9		7.0		11.3		11		-				-		-	
					Bottom	8.5	0.2	51	25.7	25.7	8.0	8.0	27.1	27.1	77.7	77.8	5.4	5.5	15.3		12		-				-		-	
						8.5	0.2	53	25.7		8.0		27.1		77.9		5.5		15.4		11		-				-		-	
SR5A	Fine	Calm	17:06	3.7	Surface	1.0	0.1	284	29.3	29.3	8.4	8.4	22.4	22.4	162.8	162.7	11.0	11.0	5.8	6.1	12	11	-	-	816607	810680	-	-	-	-
						1.0	0.1	302	29.3		8.4		22.4		162.5		11.0		5.7		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	302	28.2	28.3	8.4	8.4	23.3	23.3	145.7	146.0	10.0	10.0	6.5		10		-				-		-	
						2.7	0.1	328	28.3		8.4		23.3		146.3		10.0		6.4		10		-				-		-	
SR6A	Fine	Calm	17:33	4.0	Surface	1.0	0.1	131	28.3	28.2	8.4	8.4	23.2	23.3	161.8	158.7	11.1	10.9	10.1	9.2	12	12	-	-	817965	814748	-	-	-	-
						1.0	0.1	141	28.1		8.4		23.3		155.6		10.7		9.8		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	178	27.0	27.0	8.2	8.2	24.4	24.4	117.0	116.9	8.1	8.1	8.3		12		-				-		-	
						3.0	0.1	181	27.0		8.2		24.4		116.7		8.1		8.4		12		-				-		-	
SR7	Fine	Moderate	18:03	15.9	Surface	1.0	0.0	291	26.2	26.2	8.2	8.2	28.2	28.2	114.2	114.1	7.9	7.5	3.5	4.3	4	3	-	-	823658	823753	-	-	-	-
						1.0	0.0	310	26.2		8.2		28.2		114.0		7.9		3.5		5		-				-		-	
					Middle	8.0	0.1	142	25.8	25.8	8.2	8.2	29.1	29.1	102.0	101.8	7.0		4.4		3		-				-		-	
						8.0	0.1	145	25.8		8.2		29.1		101.6		7.0		4.4		2		-				-		-	
					Bottom	14.9	0.1	71	24.5	24.6	8.0	8.0	31.3	31.2	74.7	74.9	5.2	5.2	5.2		2		-				-		-	
						14.9	0.1	77	24.7		8.0		31.1		75.1		5.2		5.0		3		-				-		-	
SR8	Fine	Moderate	16:32	4.7	Surface	1.0	-	-	28.7	28.7	8.5	8.4	23.1	23.1	161.9	161.6	11.0	11.0	5.4	7.1	7	10	-	-	820405	811635	-	-	-	-
						1.0	-	-	28.7		8.4		23.1		161.3		11.0		5.4		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	26.5	26.5	8.1	8.1	26.7	26.7	86.0	86.1	6.0	6.0	8.8		11		-				-		-	
						3.7	-	-	26.5		8.1		26.7		86.1		6.0		8.8		12		-				-		-	

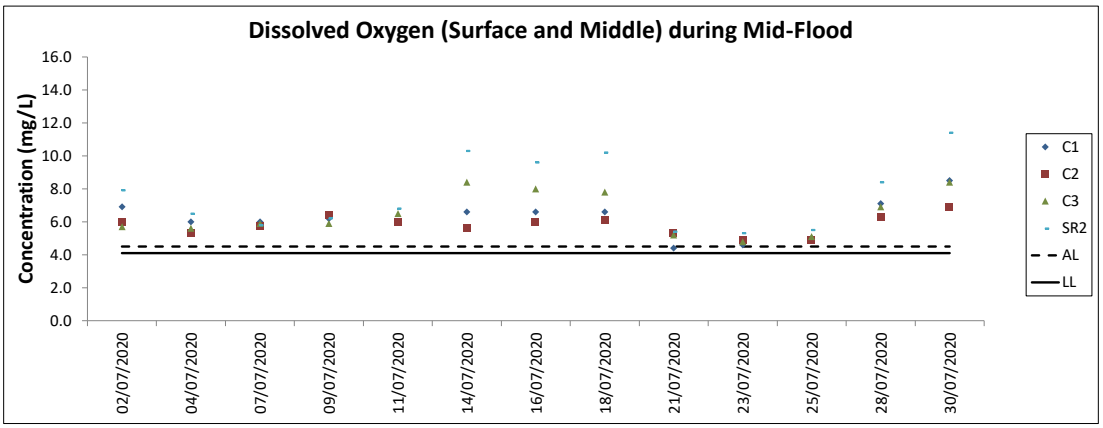
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

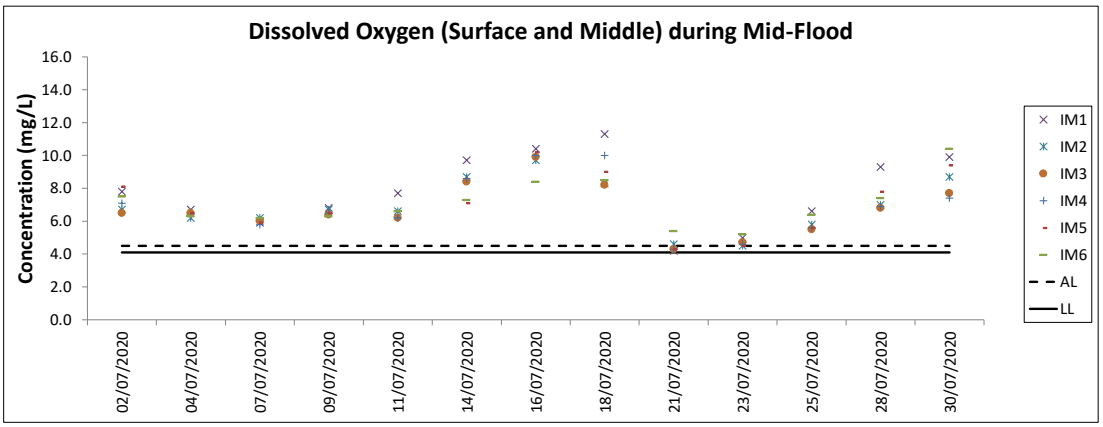

Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
C1
C2
C3
AL
LL

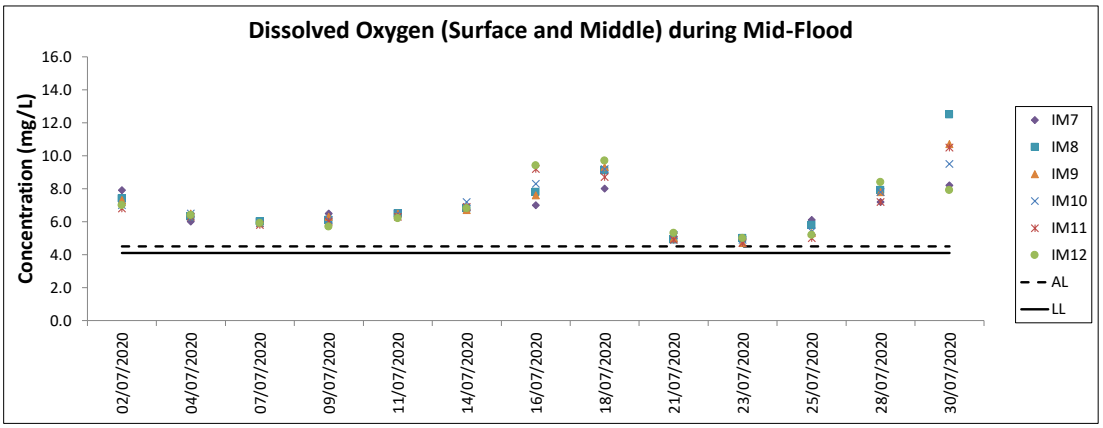

Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

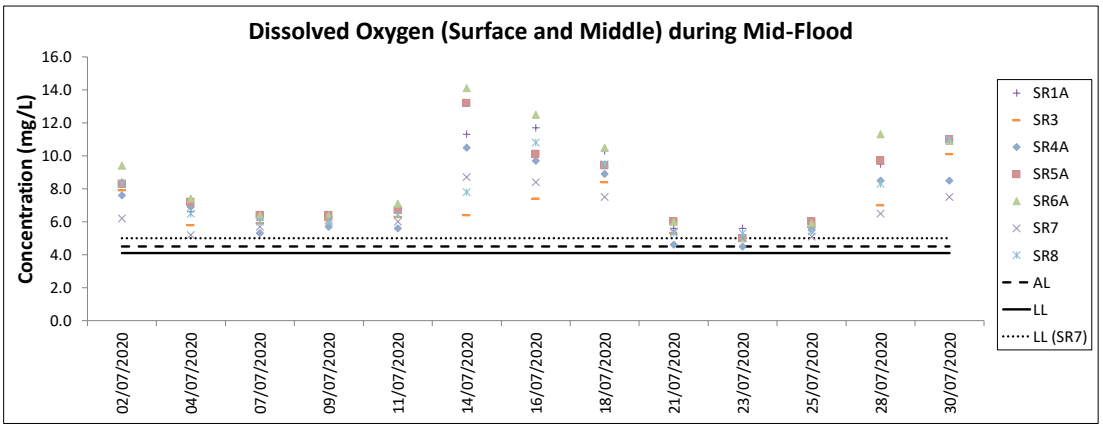

Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL

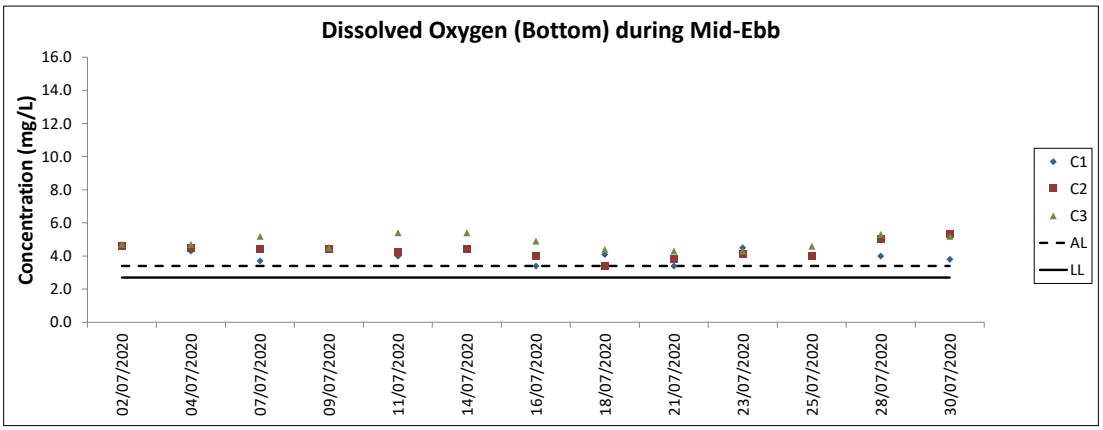

Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)

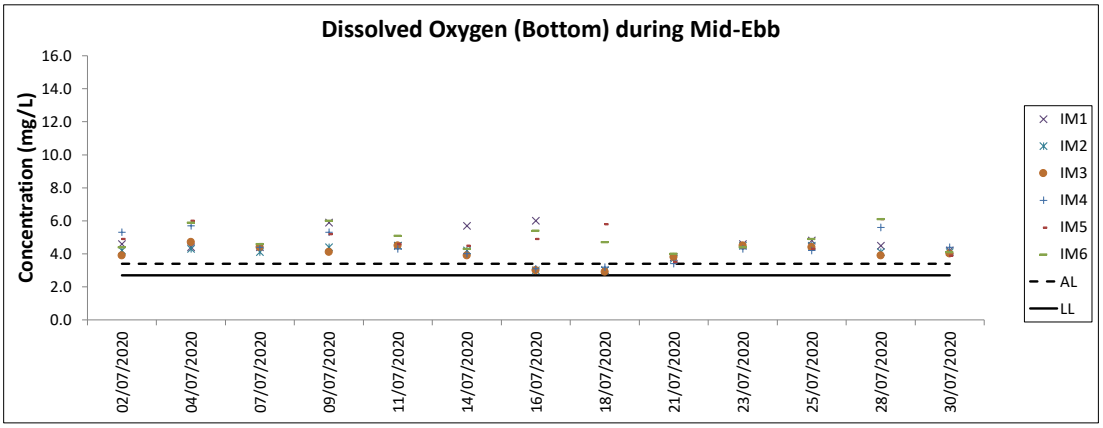

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
C1
C2
C3
SR2
AL
LL

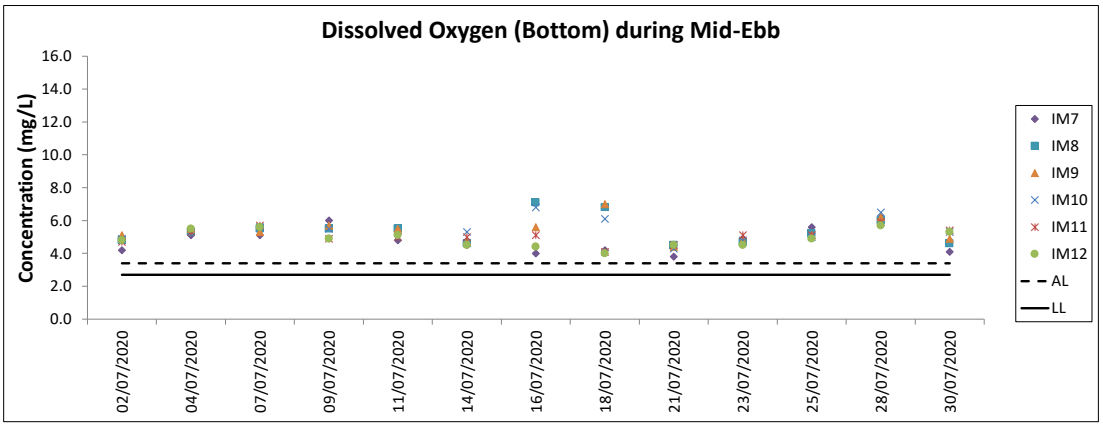

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

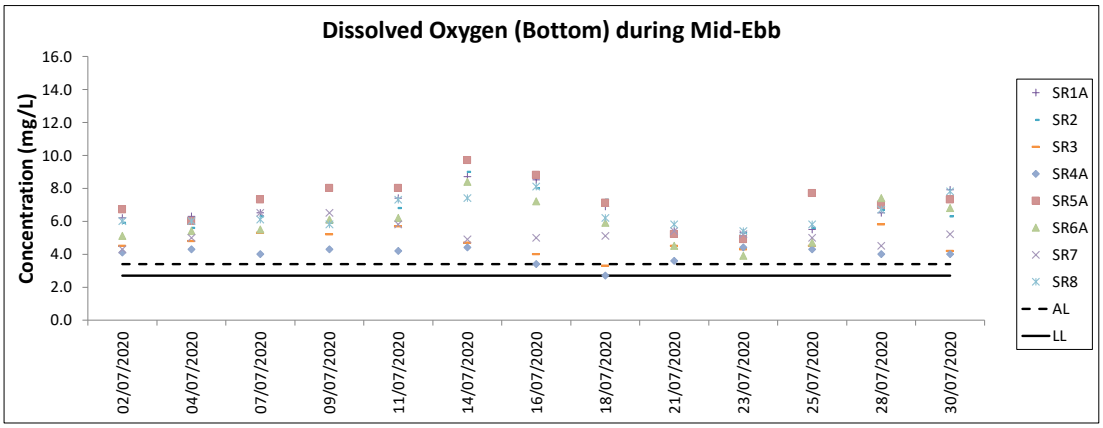

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL

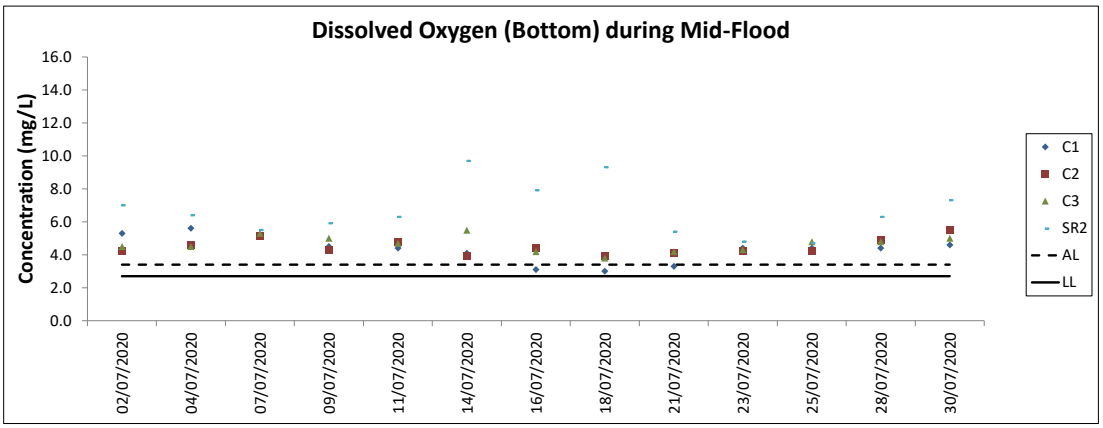

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)

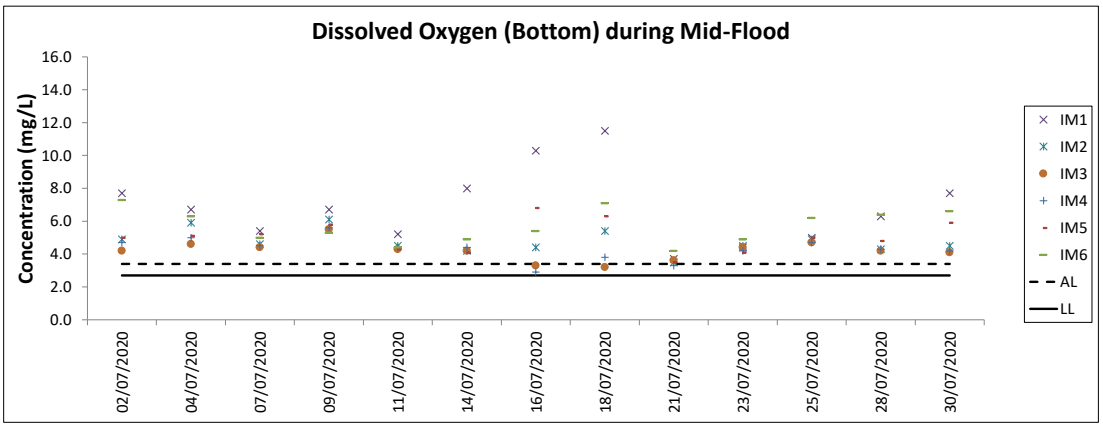

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
C1
C2
C3
AL
LL

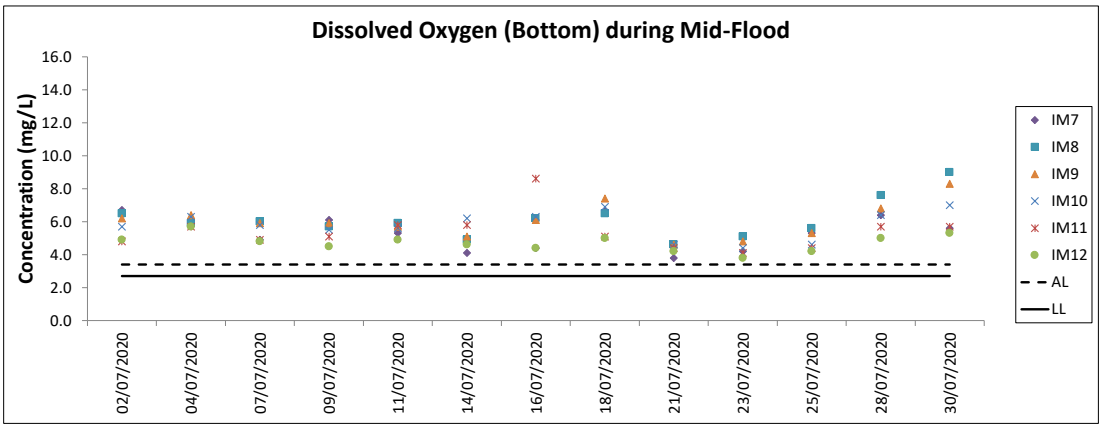

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

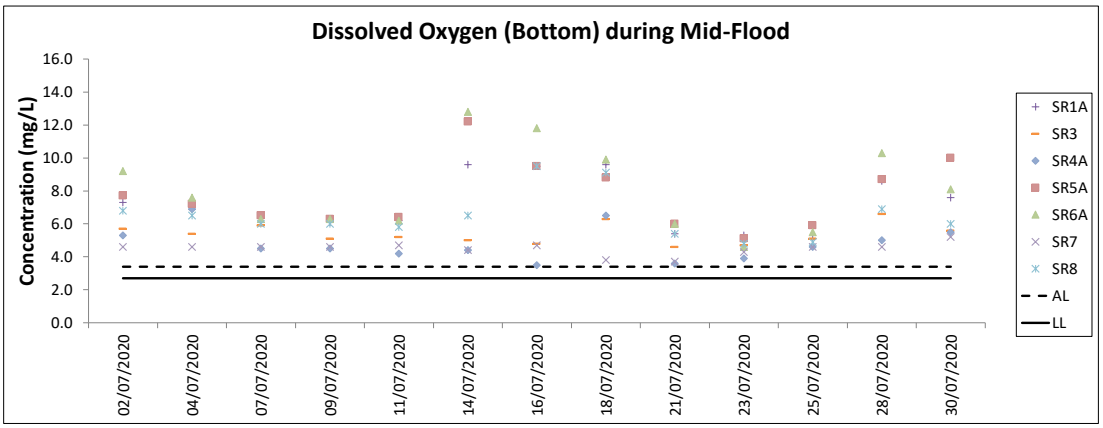

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL

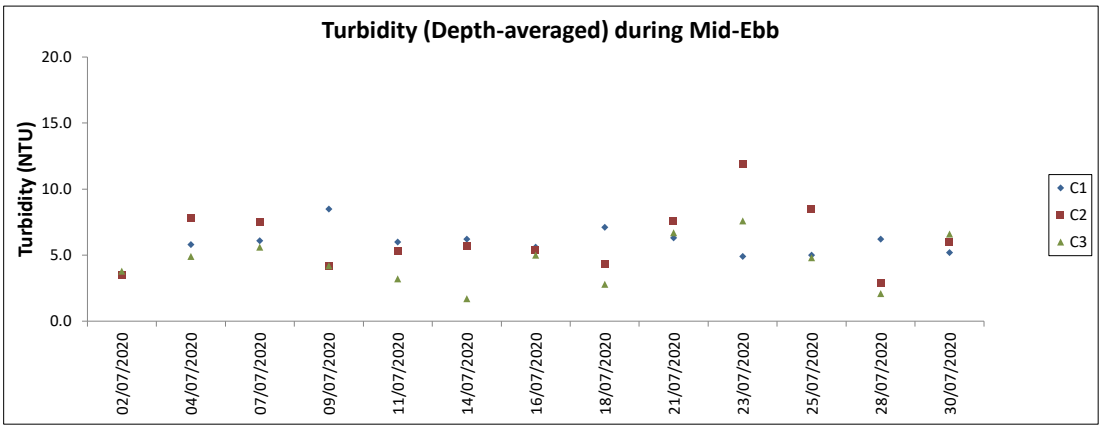

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL

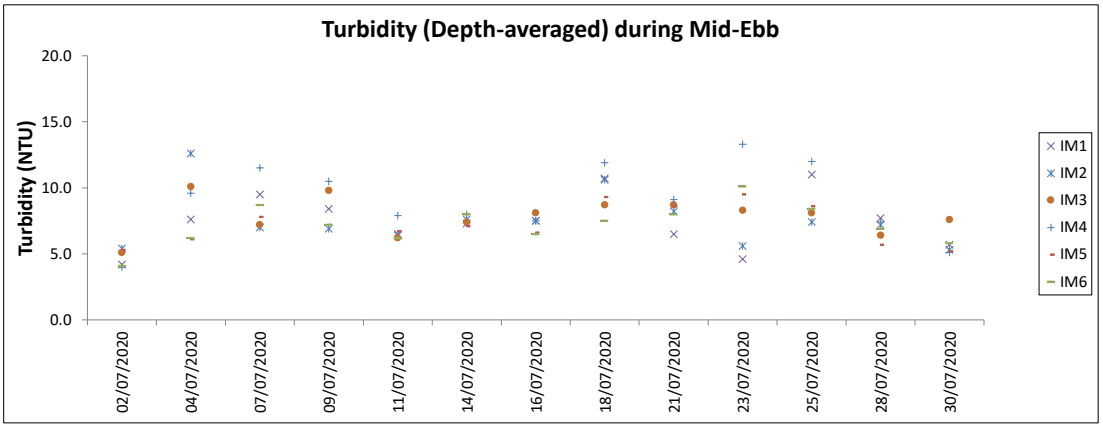

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
C1
C2
C3
SR2
AL
LL

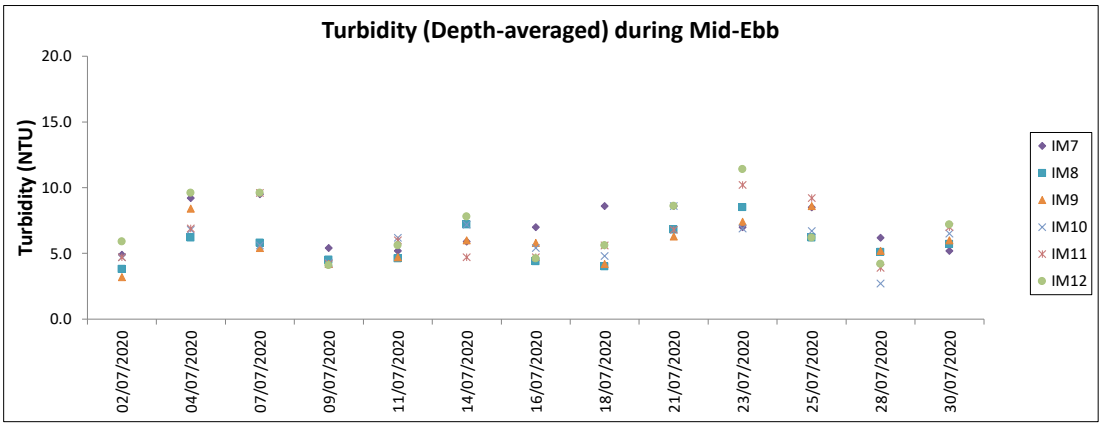

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

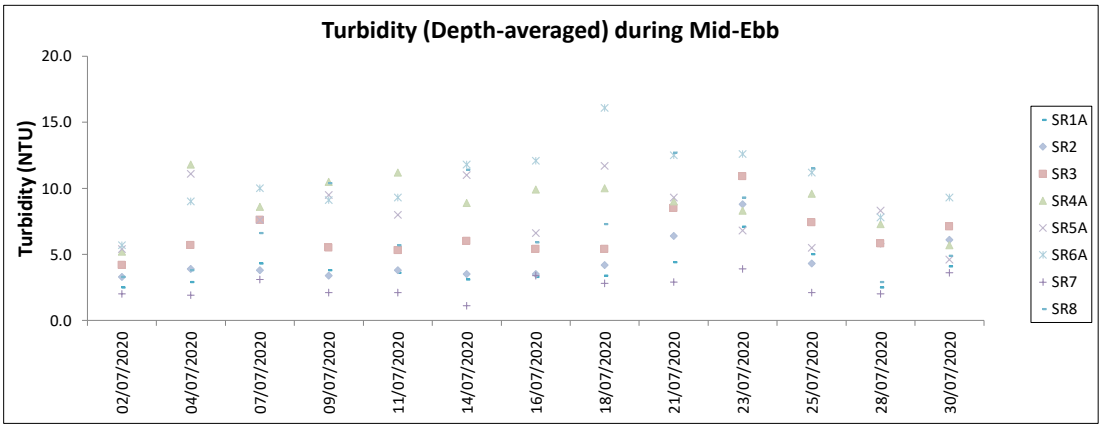

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
02/07/2020
04/07/2020
07/07/2020
09/07/2020
11/07/2020
14/07/2020
16/07/2020
18/07/2020
21/07/2020
23/07/2020
25/07/2020
28/07/2020
30/07/2020
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL

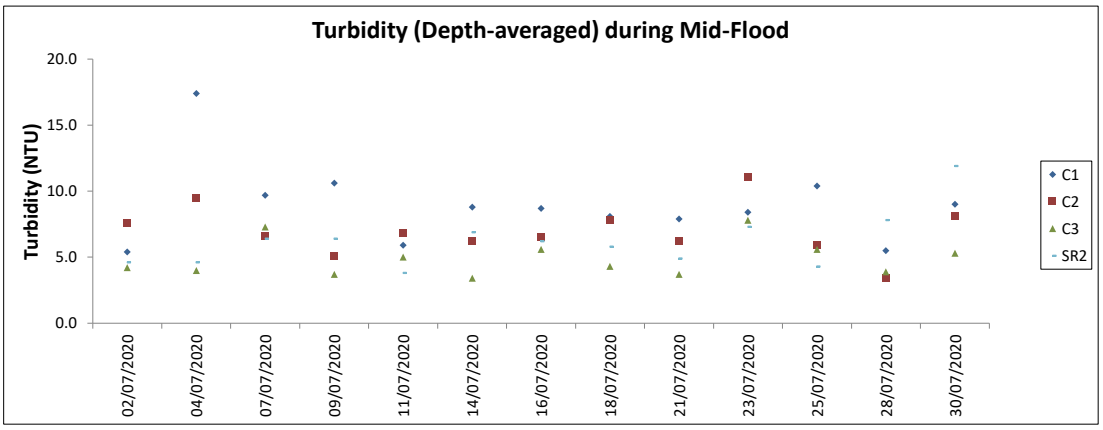


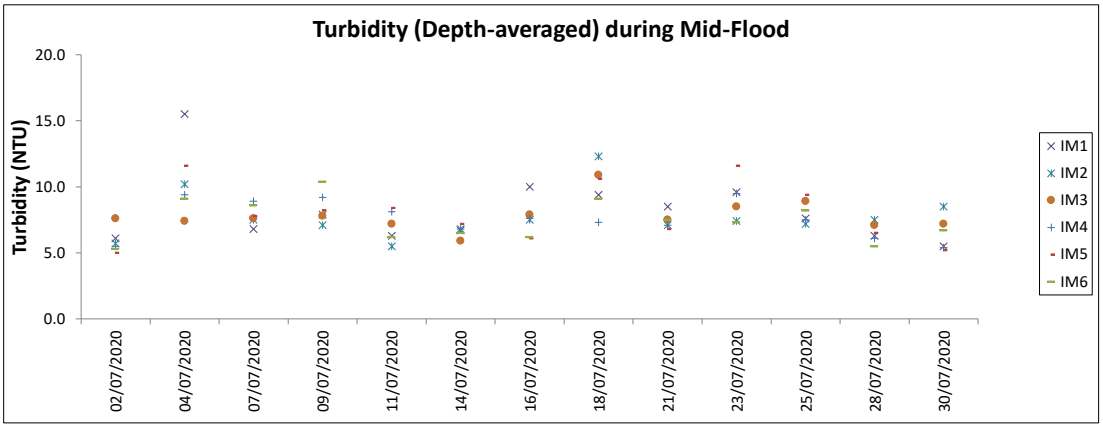


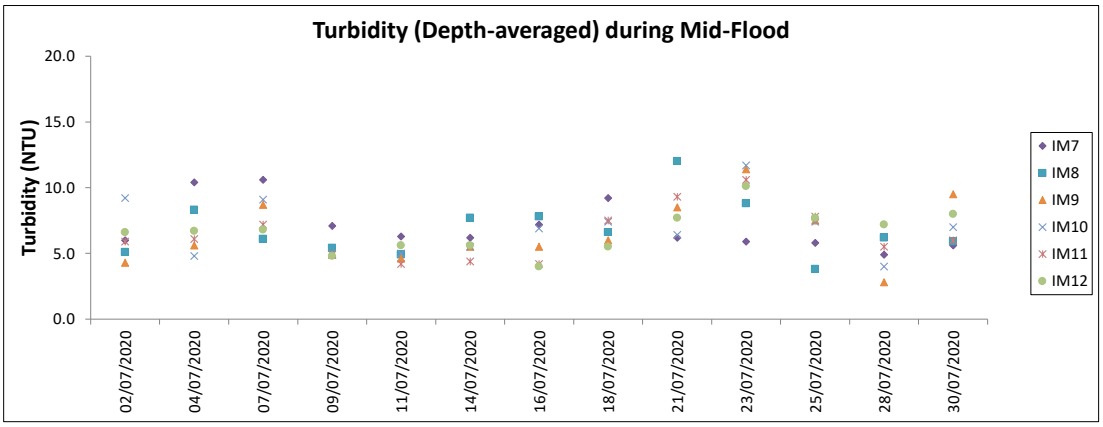


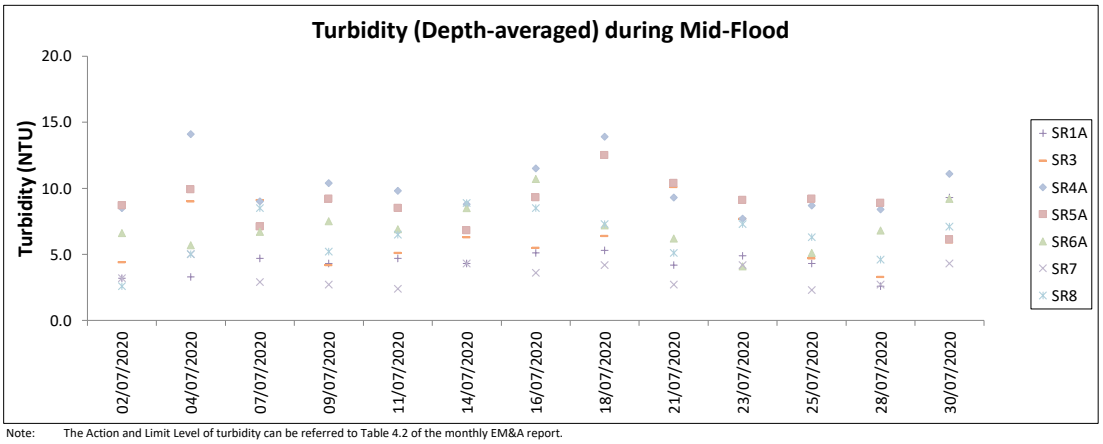


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

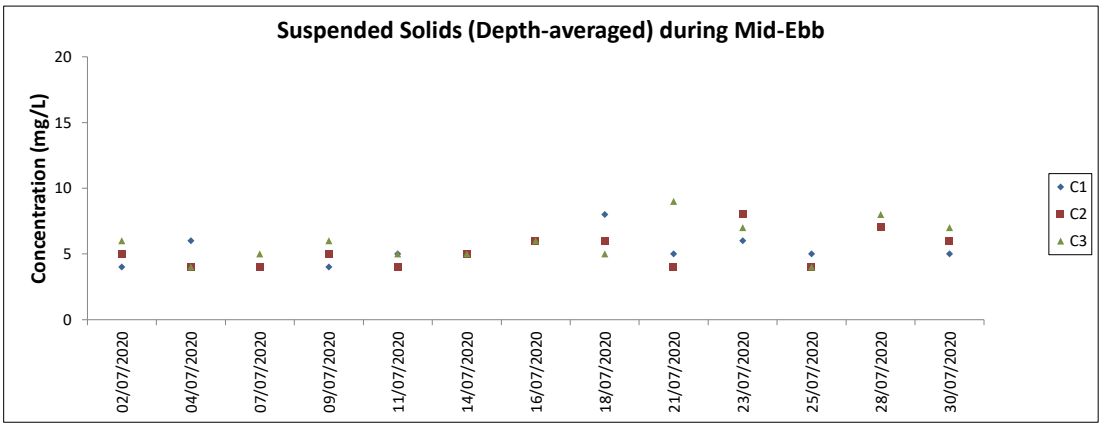


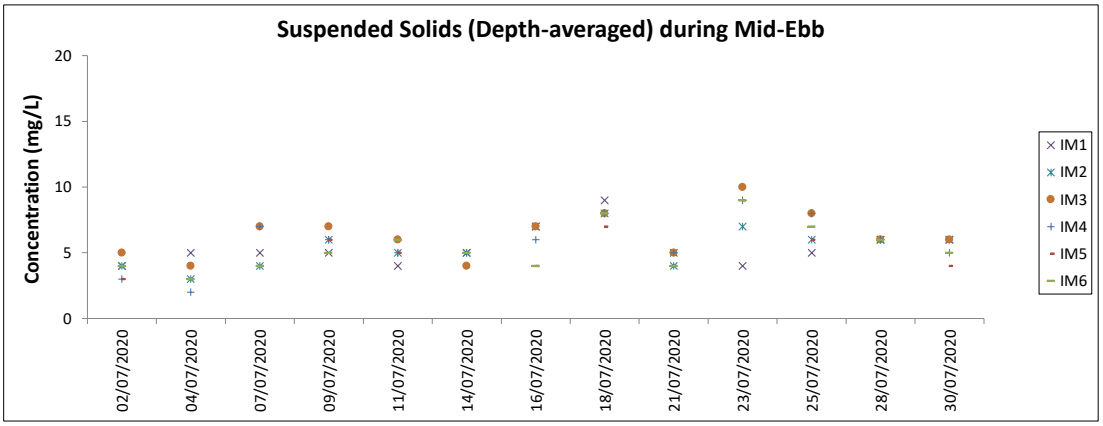


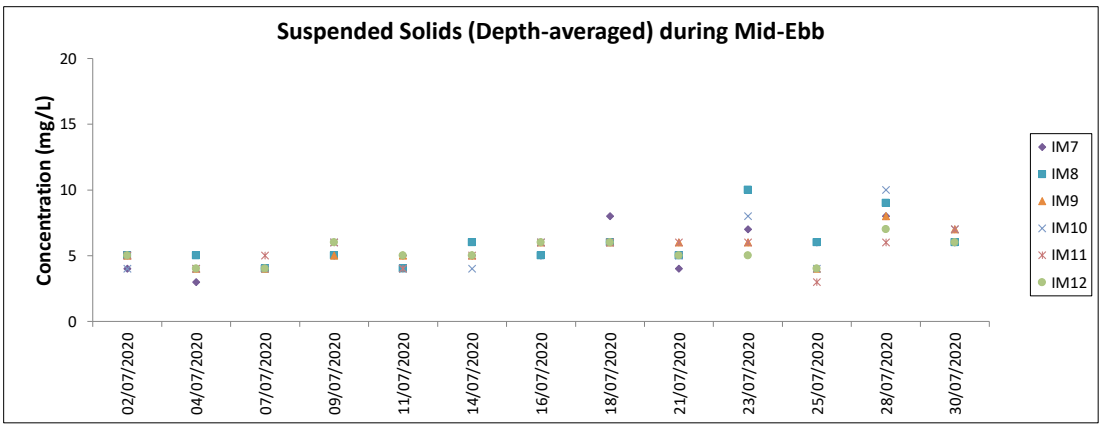


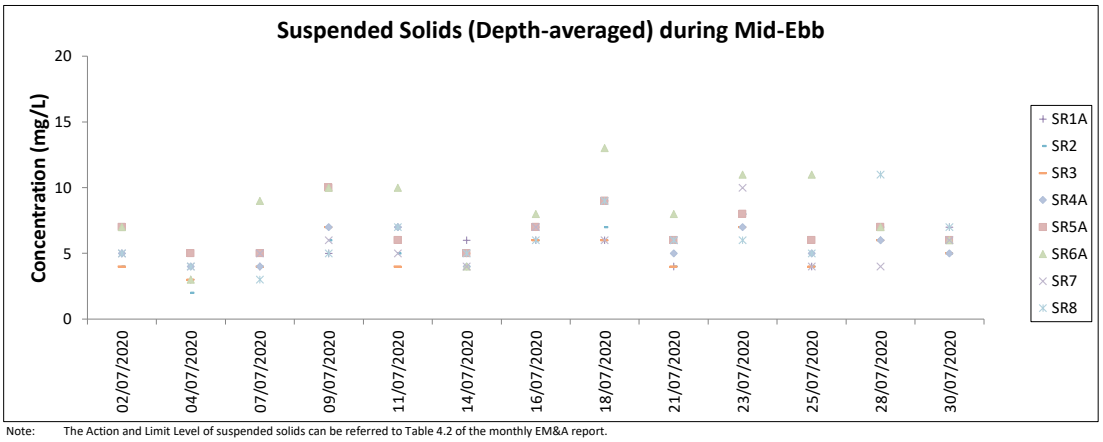


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

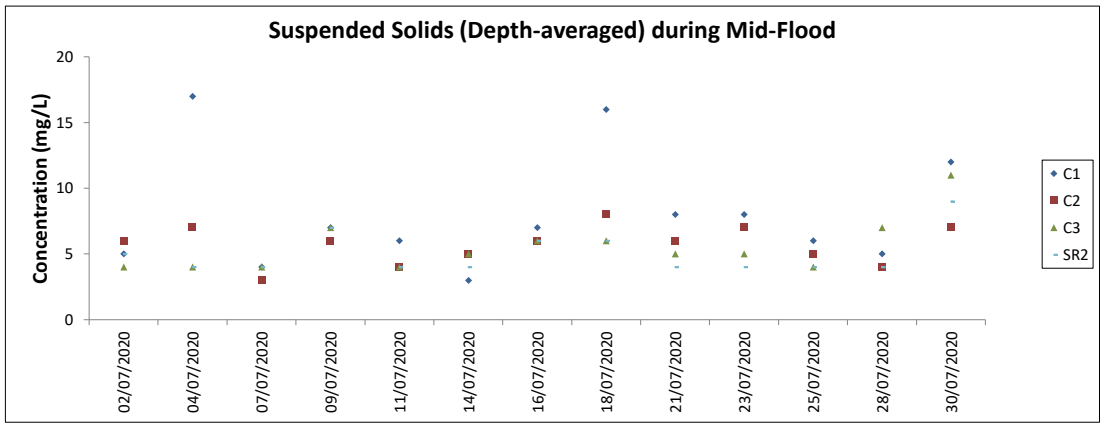


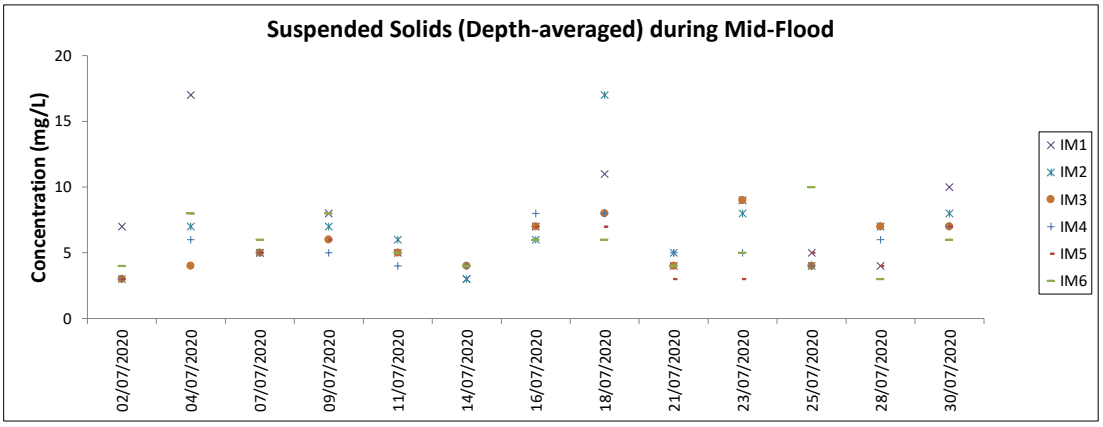


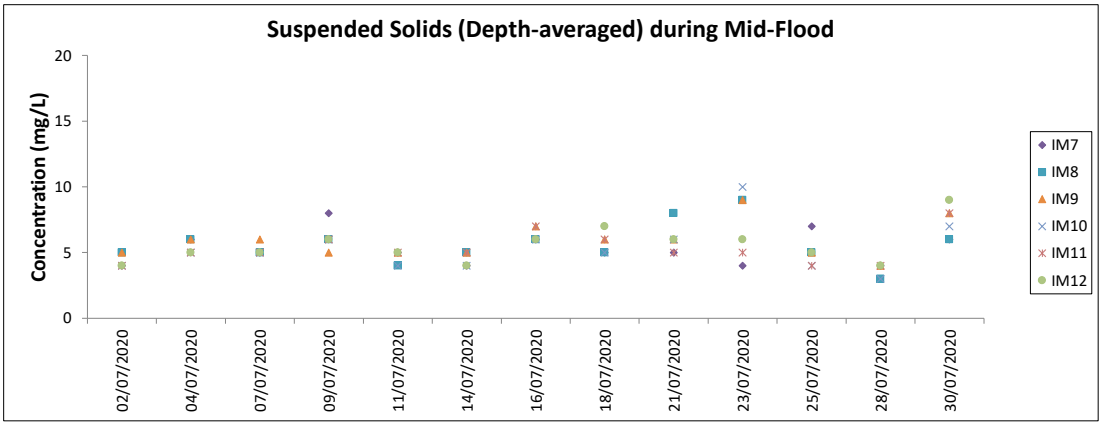


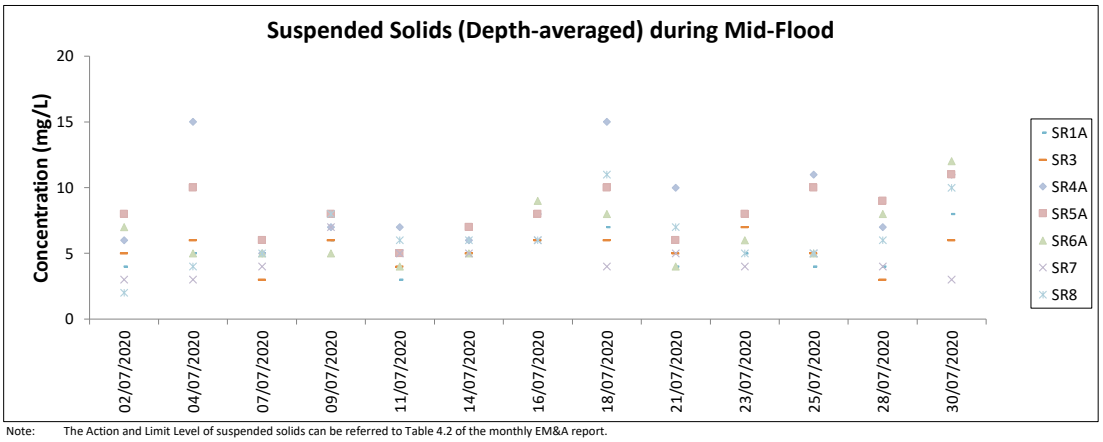


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

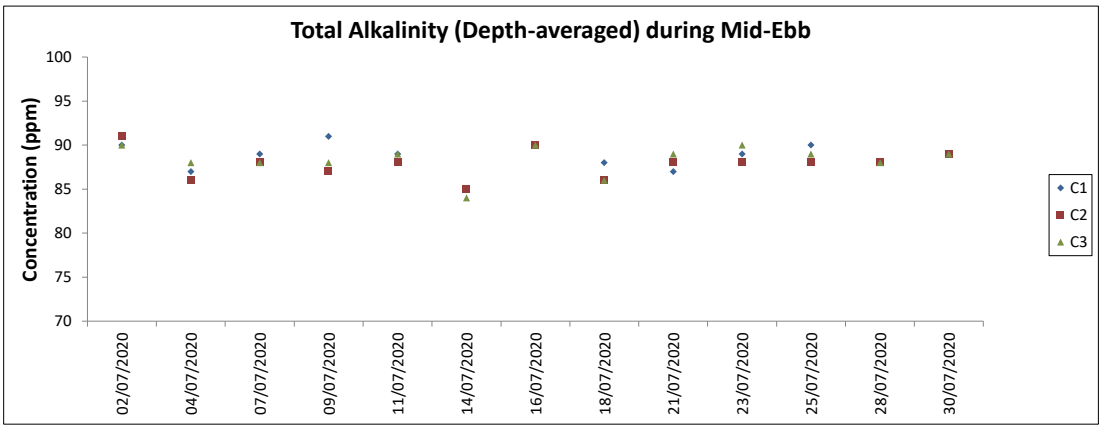


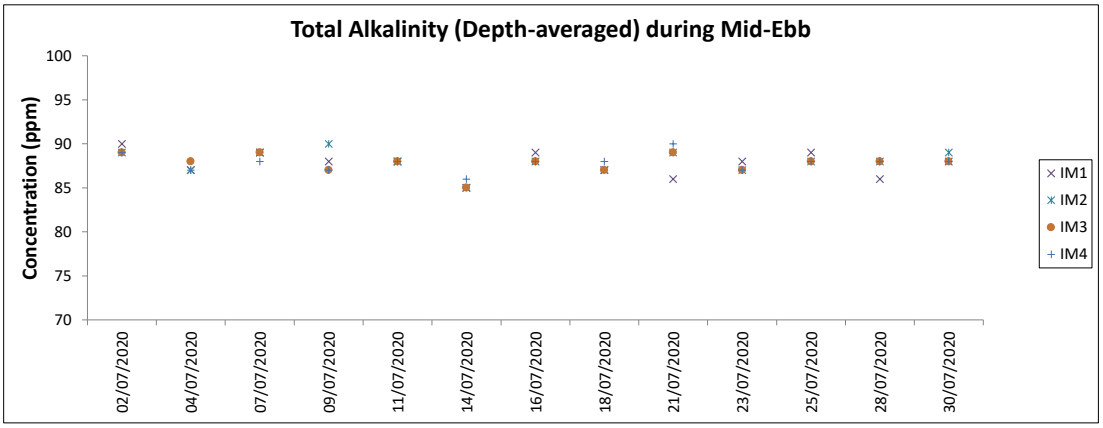


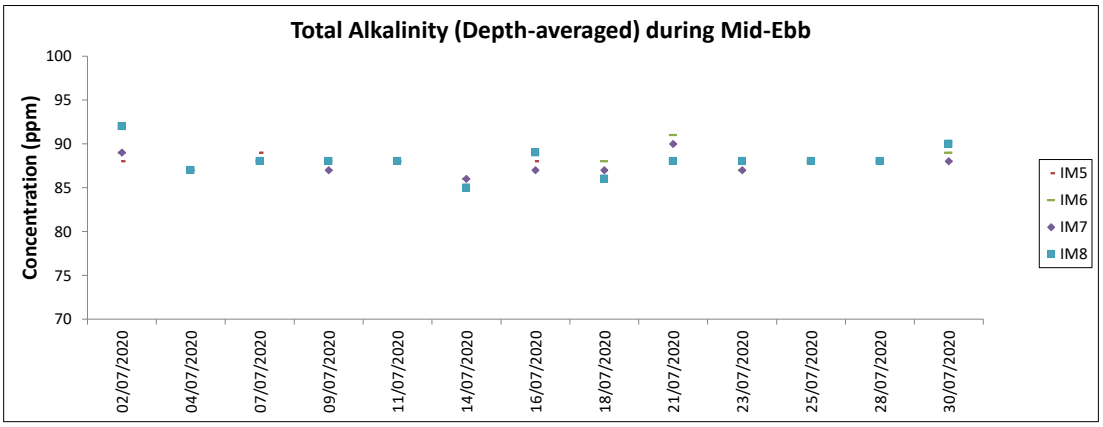


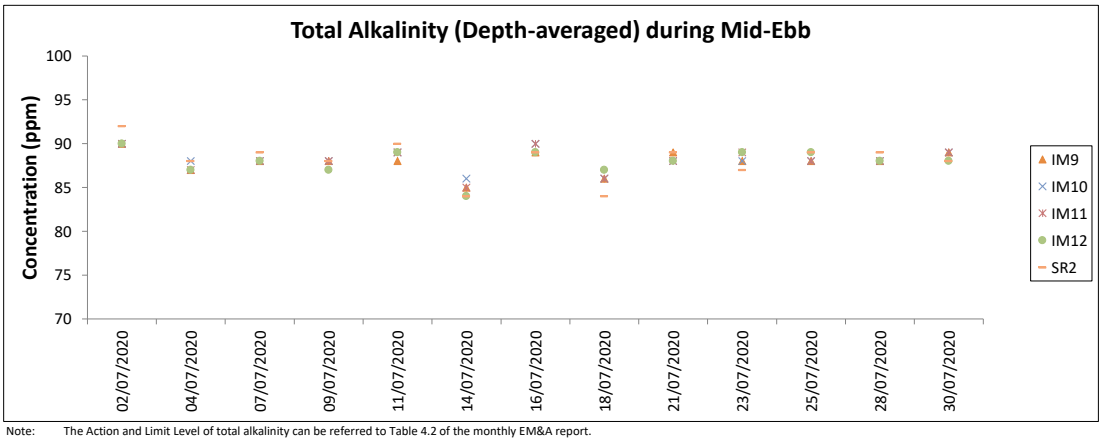


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

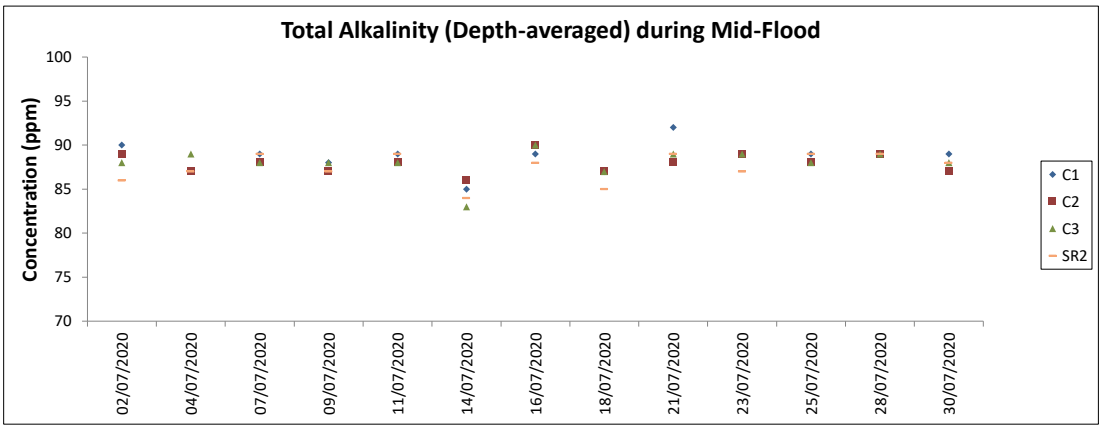


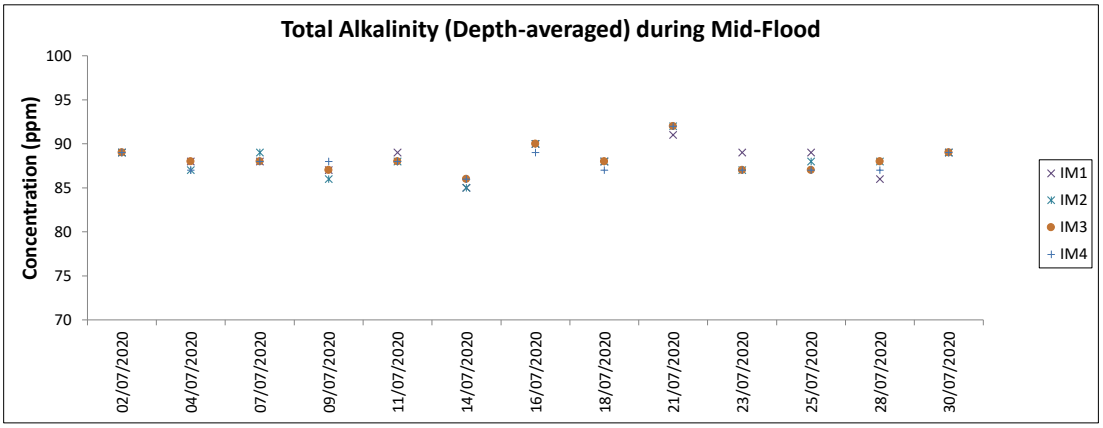


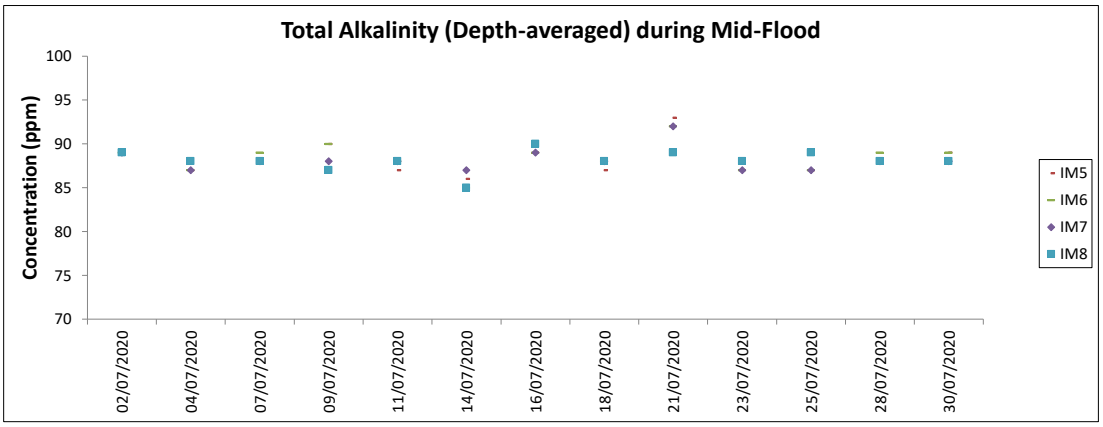


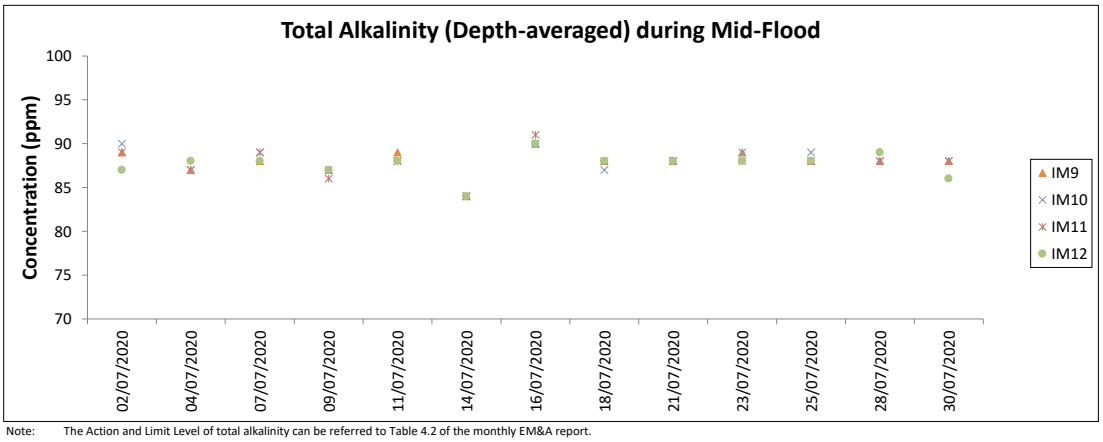


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

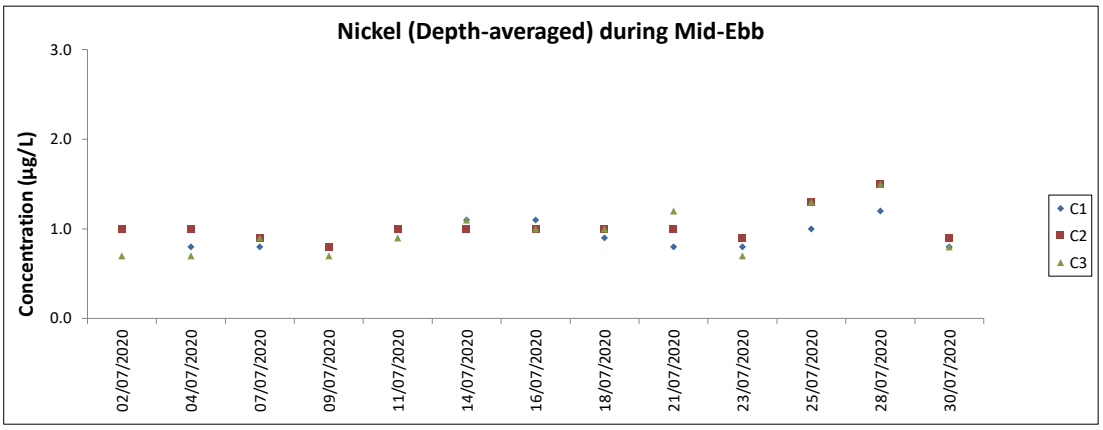


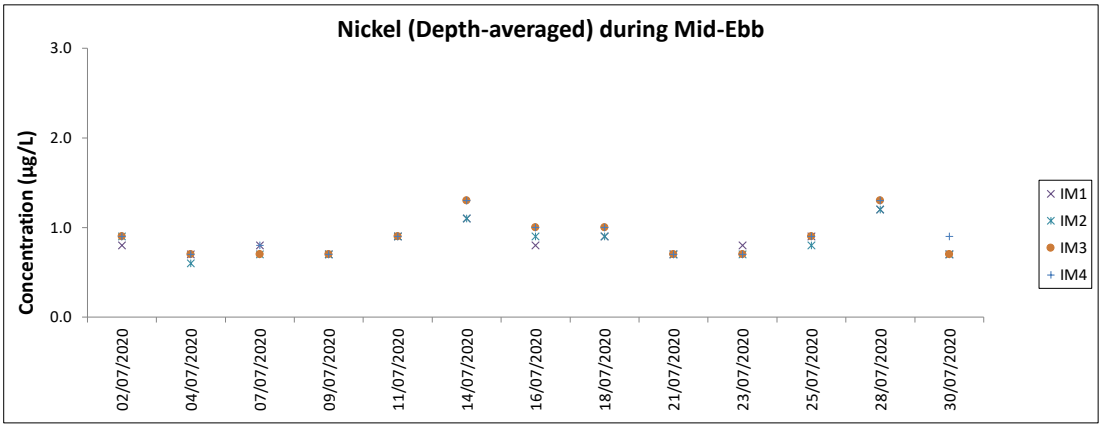


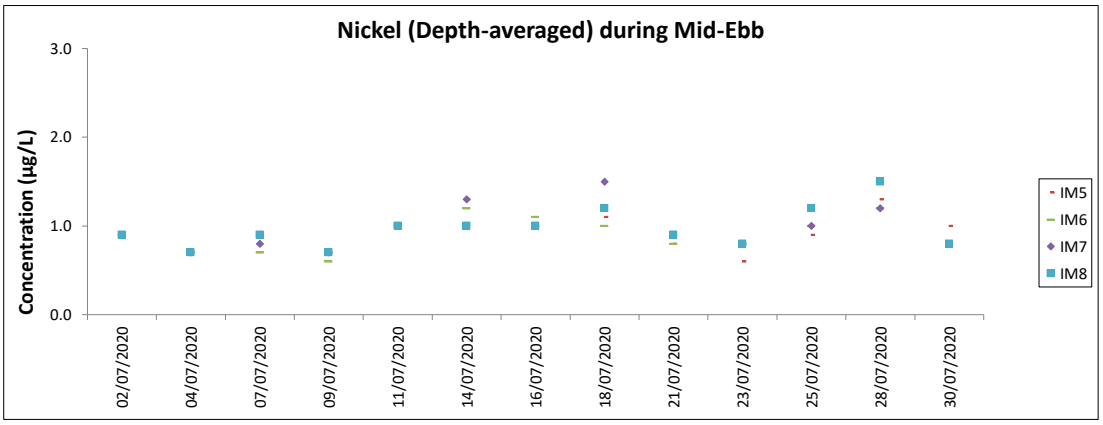


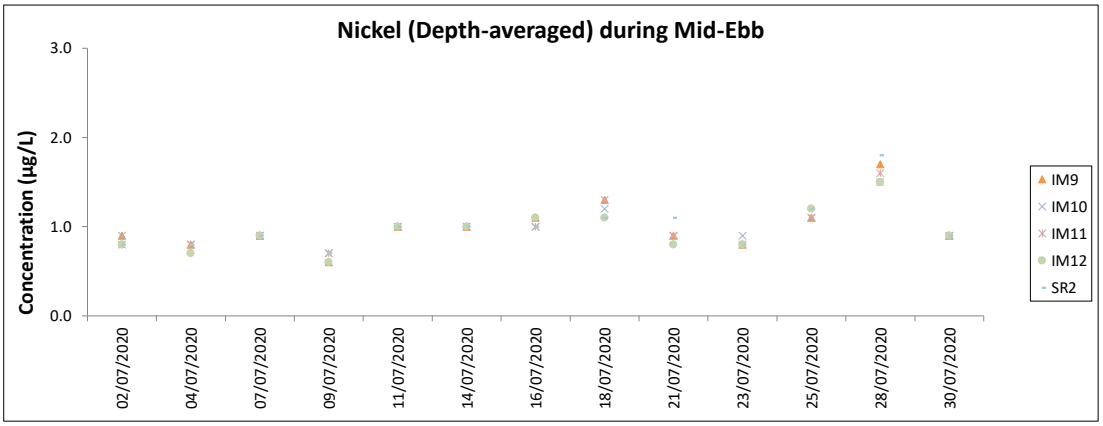


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

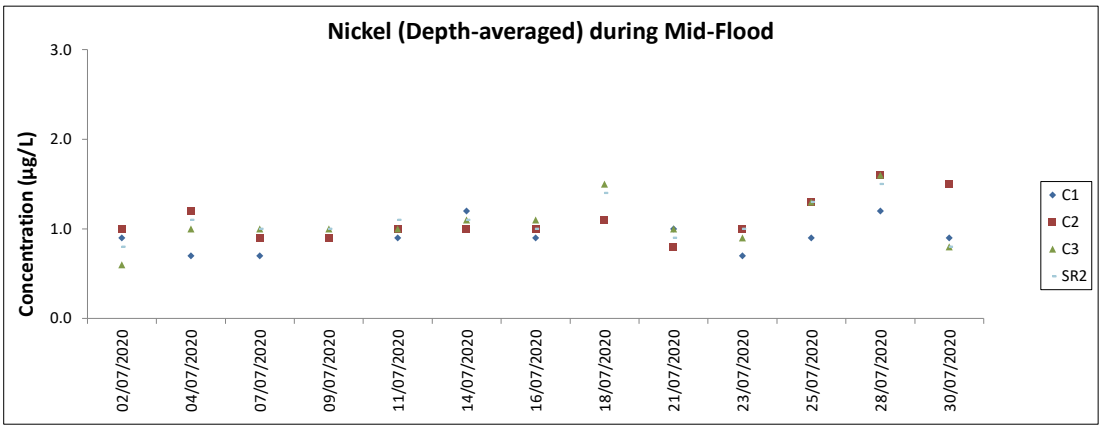


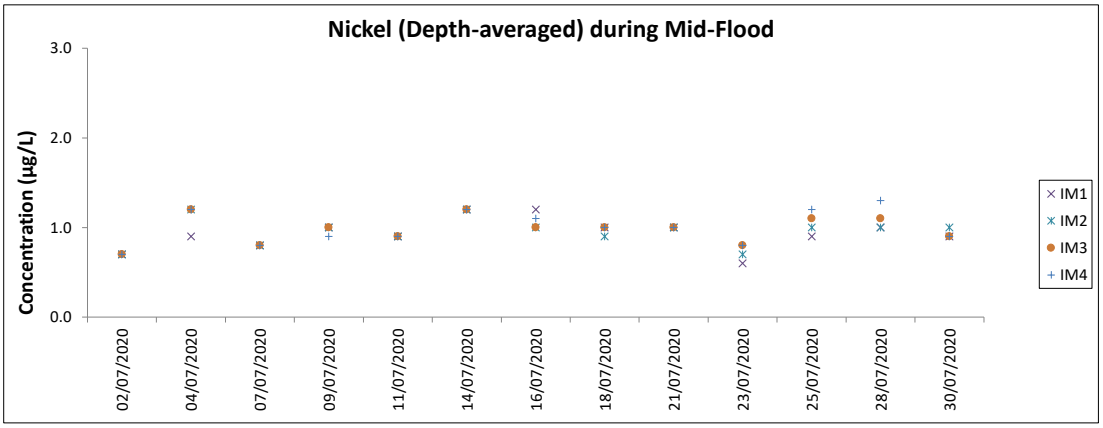


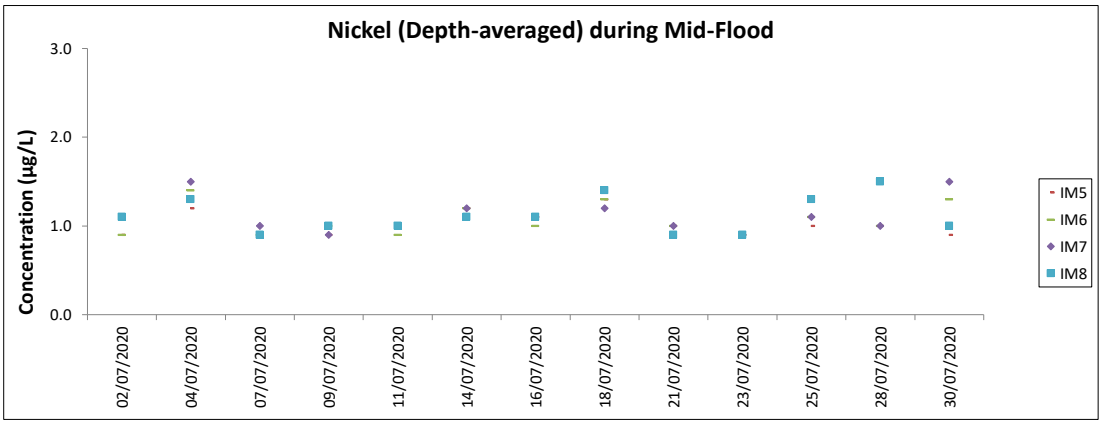


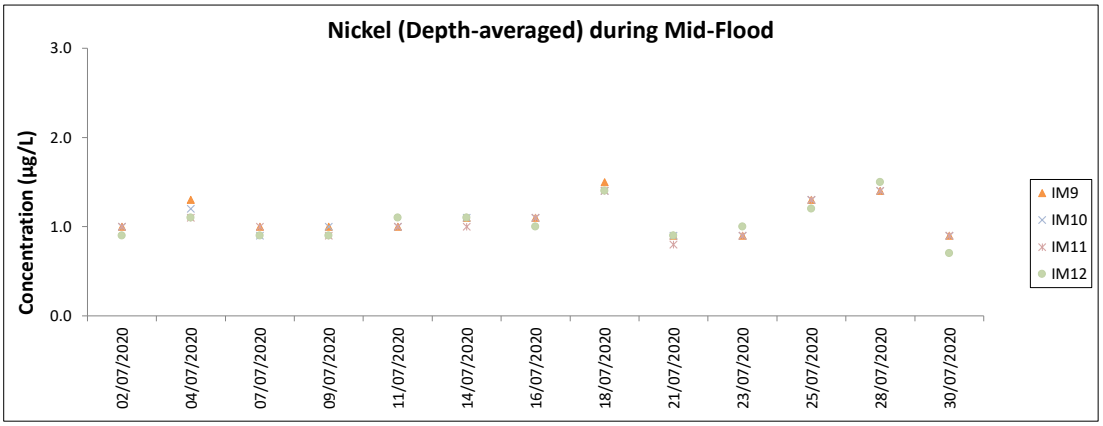


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.

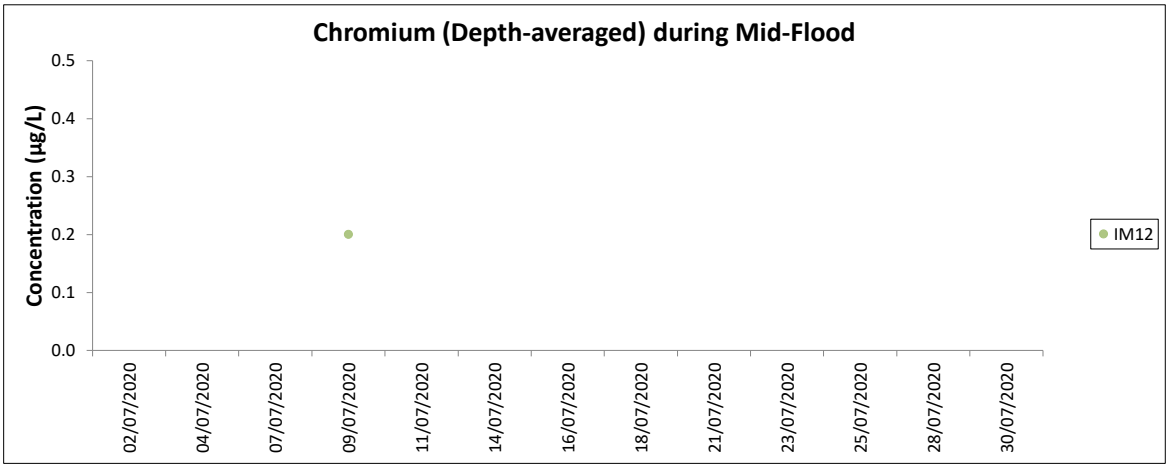








Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
Weather conditions during monitoring are presented in the data tables above.
QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.



Note: The Action and Limit Level of chromium can be referred to Table 4.2 of the monthly EM&A report.
All other chromium in the reporting period was below the reporting limit 0.2 µg/L.

Investigation for Cases Triggered the Action and Limit Levels during June 2020

Further to Section 4.4 of Construction Phase Monthly EM&A Report No. 54, the investigation of the downstream monitoring stations with consecutive DO levels triggered Action and Limit Level is updated and presented as follows.

For the cases recorded between 11 and 25 June 2020, further investigation comprising additional monitoring in the vicinity of the affected IM stations (i.e. IM2, IM3 and IM4) was carried out and analysed together with the details of the construction activities undertaken during the water quality monitoring events. Additional monitoring of DO measurement was carried out on 23, 24, 26 June 2020 at the western part of the 3RS marine work site and in-situ water quality monitoring was also conducted around the closest DCM barge which was in operation during the monitoring of 9 July 2020. The further investigation analysed all potential causes of the sustained low DO levels that were particularly prevalent in the area of IM2 to IM4. These included possible sources from the marine construction activities in the vicinity; and whether the low DO levels were associated with natural phenomena. Based on the additional monitoring results and analysis carried out, there was no evidence linking the construction activities to the low DO levels, and no evidence of any malpractices that would result in the low DO levels. Conversely, the additional monitoring showed the low DO levels were present over a large area, covering the western part of the 3RS marine work site, with similarly low DO levels observed at SR4A which is also located nearby. It is also noted that similar sustained low DO levels have occurred in this area in the previous wet seasons (i.e. June 2017 and July 2019). These findings suggest that the area of IM2 to IM4, similar to SR4A, is likely naturally susceptible to low DO levels during the wet season as a result of the combination of climatic and hydrological conditions in this area.

For DO results recorded in ebb tide at IM2, IM3, IM4 and SR4A between 11 and 25 June 2020 and IM1 on 11 June 2020 which triggered Action or Limit Level, no silt plume was observed at the monitoring stations when impact water quality monitoring was undertaken at these monitoring stations and appropriate mitigation measures including localized silt curtain and enhanced silt curtain were implemented by contractors between 11 and 25 June 2020. DO levels recorded at most of the impact stations were within their baseline range. These findings, coupled with the findings of the further investigation, suggest that these cases were not caused by the Project.

For DO results recorded in flood tide at IM5, IM6 and SR3 on 13 June 2020 and IM7 on 11 and 13 June 2020 which triggered Action Level, no silt plume was observed at the monitoring stations when impact water quality monitoring was undertaken at these water quality monitoring stations and appropriate mitigation measures including localized silt curtain and enhanced silt curtain were implemented by contractors between 11 and 25 June 2020. During the same tide, DO Action Levels were also triggered at adjacent upstream monitoring stations (i.e. IM2, IM3 and IM4). In addition, DO levels recorded at most of the impact and sensitive stations were also within their baseline ranges. These suggest the presence of external sources might affect the water quality at western part of the 3RS marine work site. Therefore, the cases were considered unlikely due to the Project.

Investigation for Cases Triggered the Action and Limit Levels during July 2020

During the reporting period, all the DO results which triggered Action or Limit Level were recorded at monitoring stations located at the western part of the 3RS marine work site. The ET checked with all contractors and confirmed that only DCM works and marine filling activities were undertaking at this area, localised and enhanced silt curtains were deployed and there was no abnormal operation. The contractors had also checked the maintenance record of all plant and equipment and confirmed that there was no spillage incident or abnormal observation.

For DO results recorded in ebb tide at IM2, IM3 and IM4 on 16 July 2020 which triggered Action Level, no silt plume was observed at the monitoring stations. DO Action Level at IM3 and IM4 were also triggered during flood tide when these IM stations were located upstream of the Project area. This suggested that the source of the low DO levels was not restricted to the areas downstream of the Project. Low DO level was also recorded at C1, which was located upstream of the Project area during flood tide and outside the influence of the Project. In addition, DO levels at these stations were within

their baseline ranges during baseline monitoring of the Project. In accordance with the Event and Action Plan, repeat measurement was conducted on 17 July 2020 during ebb tide. Similar DO levels were also recorded during repeat measurement, which suggested that the low DO levels were not due to one-off or localized incident.

For DO results recorded in ebb tide at IM1, IM2, IM3, IM4 and SR4A on 18 July 2020 which triggered Action Level, no silt plume was observed at the monitoring stations. DO levels recorded at these downstream impact and sensitive receiver stations were also similar to that recorded at their upstream control station C2. This suggested the presence of external sources that might affect the DO levels around the western part of the 3RS marine work site. In addition, DO levels recorded at these monitoring stations were within their baseline ranges during baseline monitoring of the Project. In accordance with the Event and Action Plan, repeat measurement was conducted on 19 July 2020 during ebb tide. Similar DO levels were also recorded during repeat measurement, which suggested that the low DO levels were not due to one-off or localized incident.

For DO results recorded in ebb tide at IM2, IM3, IM4 and SR4A, and in flood tide at IM5 on 21 July 2020 which triggered Action or Limit Level, no silt plume was observed at the monitoring stations. As DO Action Level were triggered at adjacent upstream monitoring stations during the same tide (i.e. IM5 and IM6 during ebb tide; IM1, IM3 and IM4 during flood tide), downstream cases at IM2, IM3 and IM4 during ebb tide and IM5 during flood tide were considered due to external factors. For SR4A, no Action or Limit Level was triggered at downstream impact station located closer to the Project Area, namely IM1. In accordance with the Event and Action Plan, repeat measurement was conducted on 22 July 2020 during ebb tide at IM2, IM3, IM4 and SR4A. Monitoring results showed that only DO levels at IM4 and SR4A still triggered the Action Level. For the repeat measurement undertaken at IM5 during the flood tide of 22 July 2020, the measured DO levels still triggered the Action Level.

The low DO levels recorded on 16, 18 and 21 July 2020 around the western part of the 3RS marine works site have been investigated. There were no evidence showing that the low DO levels were associated with the construction activities near the monitoring stations. In addition, some of the repeat measurement results still triggered the Action Level. Therefore, it is likely that the cases were caused by a potential large scale event affecting the DO levels in the western part of the 3RS marine work site. Hence, these cases were considered not due to the Project.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
4-May-20	NEL	2	32.350	SPRING	32166	3RS ET	P
4-May-20	NEL	3	4.500	SPRING	32166	3RS ET	P
4-May-20	NEL	2	8.050	SPRING	32166	3RS ET	S
4-May-20	NEL	3	1.800	SPRING	32166	3RS ET	S
6-May-20	NWL	2	17.400	SPRING	32166	3RS ET	P
6-May-20	NWL	3	45.000	SPRING	32166	3RS ET	P
6-May-20	NWL	3	13.400	SPRING	32166	3RS ET	S
7-May-20	AW	3	4.890	SPRING	32166	3RS ET	P
7-May-20	WL	3	19.292	SPRING	32166	3RS ET	P
7-May-20	WL	3	11.318	SPRING	32166	3RS ET	S
11-May-20	SWL	1	2.700	SPRING	32166	3RS ET	P
11-May-20	SWL	2	51.714	SPRING	32166	3RS ET	P
11-May-20	SWL	1	1.300	SPRING	32166	3RS ET	S
11-May-20	SWL	2	14.740	SPRING	32166	3RS ET	S
12-May-20	SWL	2	42.776	SPRING	32166	3RS ET	P
12-May-20	SWL	3	11.880	SPRING	32166	3RS ET	P
12-May-20	SWL	2	13.052	SPRING	32166	3RS ET	S
12-May-20	SWL	3	2.150	SPRING	32166	3RS ET	S
13-May-20	AW	1	5.060	SPRING	32166	3RS ET	P
13-May-20	WL	1	1.220	SPRING	32166	3RS ET	P
13-May-20	WL	2	9.124	SPRING	32166	3RS ET	P
13-May-20	WL	3	2.062	SPRING	32166	3RS ET	P
13-May-20	WL	4	6.239	SPRING	32166	3RS ET	P
13-May-20	WL	2	4.441	SPRING	32166	3RS ET	S
13-May-20	WL	3	1.748	SPRING	32166	3RS ET	S
13-May-20	WL	4	3.271	SPRING	32166	3RS ET	S
18-May-20	NEL	2	24.600	SPRING	32166	3RS ET	P
18-May-20	NEL	3	12.500	SPRING	32166	3RS ET	P
18-May-20	NEL	2	6.200	SPRING	32166	3RS ET	S
18-May-20	NEL	3	3.900	SPRING	32166	3RS ET	S
20-May-20	NWL	2	2.300	SPRING	32166	3RS ET	P
20-May-20	NWL	3	43.690	SPRING	32166	3RS ET	P
20-May-20	NWL	4	17.310	SPRING	32166	3RS ET	P
20-May-20	NWL	3	9.100	SPRING	32166	3RS ET	S
20-May-20	NWL	4	2.600	SPRING	32166	3RS ET	S
9-Jun-20	NWL	2	2.300	SUMMER	32166	3RS ET	P
9-Jun-20	NWL	3	61.400	SUMMER	32166	3RS ET	P
9-Jun-20	NWL	2	1.500	SUMMER	32166	3RS ET	S
9-Jun-20	NWL	3	10.200	SUMMER	32166	3RS ET	S
11-Jun-20	AW	2	4.760	SUMMER	32166	3RS ET	P
11-Jun-20	WL	2	1.520	SUMMER	32166	3RS ET	P
11-Jun-20	WL	3	16.937	SUMMER	32166	3RS ET	P
11-Jun-20	WL	2	1.060	SUMMER	32166	3RS ET	S
11-Jun-20	WL	3	7.545	SUMMER	32166	3RS ET	S
16-Jun-20	AW	3	4.970	SUMMER	32166	3RS ET	P
16-Jun-20	WL	2	3.459	SUMMER	32166	3RS ET	P
16-Jun-20	WL	3	15.008	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
16-Jun-20	WL	4	1.050	SUMMER	32166	3RS ET	P
16-Jun-20	WL	2	1.080	SUMMER	32166	3RS ET	S
16-Jun-20	WL	3	8.877	SUMMER	32166	3RS ET	S
17-Jun-20	NWL	2	3.700	SUMMER	32166	3RS ET	P
17-Jun-20	NWL	3	52.050	SUMMER	32166	3RS ET	P
17-Jun-20	NWL	4	7.600	SUMMER	32166	3RS ET	P
17-Jun-20	NWL	2	1.200	SUMMER	32166	3RS ET	S
17-Jun-20	NWL	3	8.000	SUMMER	32166	3RS ET	S
17-Jun-20	NWL	4	3.200	SUMMER	32166	3RS ET	S
18-Jun-20	SWL	2	5.388	SUMMER	32166	3RS ET	P
18-Jun-20	SWL	3	34.630	SUMMER	32166	3RS ET	P
18-Jun-20	SWL	4	12.720	SUMMER	32166	3RS ET	P
18-Jun-20	SWL	2	3.312	SUMMER	32166	3RS ET	S
18-Jun-20	SWL	3	11.120	SUMMER	32166	3RS ET	S
18-Jun-20	SWL	4	1.870	SUMMER	32166	3RS ET	S
22-Jun-20	SWL	2	9.376	SUMMER	32166	3RS ET	P
22-Jun-20	SWL	3	31.756	SUMMER	32166	3RS ET	P
22-Jun-20	SWL	4	3.650	SUMMER	32166	3RS ET	P
22-Jun-20	SWL	2	3.471	SUMMER	32166	3RS ET	S
22-Jun-20	SWL	3	10.290	SUMMER	32166	3RS ET	S
23-Jun-20	NEL	2	21.700	SUMMER	32166	3RS ET	P
23-Jun-20	NEL	3	15.280	SUMMER	32166	3RS ET	P
23-Jun-20	NEL	2	6.500	SUMMER	32166	3RS ET	S
23-Jun-20	NEL	3	3.820	SUMMER	32166	3RS ET	S
24-Jun-20	NEL	2	31.670	SUMMER	32166	3RS ET	P
24-Jun-20	NEL	3	5.950	SUMMER	32166	3RS ET	P
24-Jun-20	NEL	2	6.880	SUMMER	32166	3RS ET	S
24-Jun-20	NEL	3	3.100	SUMMER	32166	3RS ET	S
6-Jul-20	AW	3	4.900	SUMMER	32166	3RS ET	P
6-Jul-20	WL	3	14.052	SUMMER	32166	3RS ET	P
6-Jul-20	WL	4	4.029	SUMMER	32166	3RS ET	P
6-Jul-20	WL	3	5.088	SUMMER	32166	3RS ET	S
6-Jul-20	WL	4	3.731	SUMMER	32166	3RS ET	S
8-Jul-20	NEL	2	0.500	SUMMER	32166	3RS ET	P
8-Jul-20	NEL	3	33.650	SUMMER	32166	3RS ET	P
8-Jul-20	NEL	4	3.230	SUMMER	32166	3RS ET	P
8-Jul-20	NEL	2	2.000	SUMMER	32166	3RS ET	S
8-Jul-20	NEL	3	7.720	SUMMER	32166	3RS ET	S
9-Jul-20	NEL	2	1.300	SUMMER	32166	3RS ET	P
9-Jul-20	NEL	3	25.670	SUMMER	32166	3RS ET	P
9-Jul-20	NEL	4	9.820	SUMMER	32166	3RS ET	P
9-Jul-20	NEL	2	1.000	SUMMER	32166	3RS ET	S
9-Jul-20	NEL	3	9.910	SUMMER	32166	3RS ET	S
10-Jul-20	NWL	3	49.090	SUMMER	32166	3RS ET	P
10-Jul-20	NWL	4	14.710	SUMMER	32166	3RS ET	P
10-Jul-20	NWL	2	2.100	SUMMER	32166	3RS ET	S
10-Jul-20	NWL	3	10.000	SUMMER	32166	3RS ET	S
13-Jul-20	AW	2	0.980	SUMMER	32166	3RS ET	P
13-Jul-20	AW	3	3.950	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-Jul-20	WL	2	7.997	SUMMER	32166	3RS ET	P
13-Jul-20	WL	3	6.388	SUMMER	32166	3RS ET	P
13-Jul-20	WL	2	2.175	SUMMER	32166	3RS ET	S
13-Jul-20	WL	3	5.392	SUMMER	32166	3RS ET	S
20-Jul-20	SWL	2	44.018	SUMMER	32166	3RS ET	P
20-Jul-20	SWL	3	3.890	SUMMER	32166	3RS ET	P
20-Jul-20	SWL	2	12.803	SUMMER	32166	3RS ET	S
20-Jul-20	SWL	3	1.000	SUMMER	32166	3RS ET	S
21-Jul-20	SWL	1	8.130	SUMMER	32166	3RS ET	P
21-Jul-20	SWL	2	26.735	SUMMER	32166	3RS ET	P
21-Jul-20	SWL	3	15.310	SUMMER	32166	3RS ET	P
21-Jul-20	SWL	1	1.034	SUMMER	32166	3RS ET	S
21-Jul-20	SWL	2	12.790	SUMMER	32166	3RS ET	S
21-Jul-20	SWL	3	0.920	SUMMER	32166	3RS ET	S
22-Jul-20	NWL	1	14.280	SUMMER	32166	3RS ET	P
22-Jul-20	NWL	2	35.930	SUMMER	32166	3RS ET	P
22-Jul-20	NWL	3	12.500	SUMMER	32166	3RS ET	P
22-Jul-20	NWL	1	1.300	SUMMER	32166	3RS ET	S
22-Jul-20	NWL	2	9.190	SUMMER	32166	3RS ET	S
22-Jul-20	NWL	3	1.100	SUMMER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months are presented for reference only.

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
7-May-20	1	1032	CWD	1	WL	3	177	ON	3RS ET	22.2692	113.8499	SPRING	NONE	P
7-May-20	2	1115	CWD	1	WL	3	19	ON	3RS ET	22.2409	113.8395	SPRING	NONE	P
7-May-20	3	1121	CWD	15	WL	3	257	ON	3RS ET	22.2411	113.8362	SPRING	NONE	P
11-May-20	1	1052	FP	1	SWL	2	421	ON	3RS ET	22.1620	113.9362	SPRING	NONE	P
11-May-20	2	1055	FP	4	SWL	2	22	ON	3RS ET	22.1606	113.9360	SPRING	NONE	P
11-May-20	3	1058	FP	2	SWL	2	181	ON	3RS ET	22.1554	113.9361	SPRING	NONE	P
11-May-20	4	1513	CWD	13	SWL	2	191	ON	3RS ET	22.1850	113.8500	SPRING	NONE	P
12-May-20	1	1051	FP	4	SWL	2	14	ON	3RS ET	22.1543	113.9363	SPRING	NONE	P
12-May-20	2	1057	FP	3	SWL	2	120	ON	3RS ET	22.1474	113.9330	SPRING	NONE	S
12-May-20	3	1101	FP	2	SWL	2	188	ON	3RS ET	22.1451	113.9301	SPRING	NONE	S
12-May-20	4	1215	FP	2	SWL	2	17	ON	3RS ET	22.1550	113.9057	SPRING	NONE	S
12-May-20	5	1441	CWD	5	SWL	2	170	ON	3RS ET	22.1954	113.8685	SPRING	NONE	P
12-May-20	6	1546	CWD	1	SWL	3	279	ON	3RS ET	22.1946	113.8500	SPRING	NONE	P
13-May-20	1	1056	CWD	6	WL	2	331	ON	3RS ET	22.2447	113.8495	SPRING	NONE	S
13-May-20	2	1127	CWD	1	WL	2	179	ON	3RS ET	22.2416	113.8370	SPRING	NONE	P
13-May-20	3	1140	CWD	16	WL	3	78	ON	3RS ET	22.2414	113.8286	SPRING	PURSE SEINER	P
13-May-20	4	1231	CWD	1	WL	4	60	ON	3RS ET	22.2149	113.8309	SPRING	NONE	P
11-Jun-20	1	1028	CWD	2	WL	3	396	ON	3RS ET	22.2636	113.8574	SUMMER	NONE	S
11-Jun-20	2	1050	CWD	3	WL	3	6	ON	3RS ET	22.2552	113.8359	SUMMER	NONE	S
11-Jun-20	3	1121	CWD	5	WL	3	323	ON	3RS ET	22.2408	113.8315	SUMMER	NONE	P
11-Jun-20	4	1213	CWD	5	WL	3	689	ON	3RS ET	22.2140	113.8257	SUMMER	NONE	P
11-Jun-20	5	1243	CWD	7	WL	3	1028	ON	3RS ET	22.2055	113.8330	SUMMER	NONE	P
11-Jun-20	6	1311	CWD	3	WL	3	86	ON	3RS ET	22.1958	113.8329	SUMMER	NONE	P
11-Jun-20	7	1325	CWD	6	WL	3	70	ON	3RS ET	22.1958	113.8408	SUMMER	NONE	P
16-Jun-20	1	1041	CWD	1	WL	2	75	ON	3RS ET	22.2609	113.8522	SUMMER	NONE	P
16-Jun-20	2	1055	CWD	6	WL	3	124	ON	3RS ET	22.2607	113.8495	SUMMER	NONE	P
16-Jun-20	3	1244	CWD	1	WL	3	112	ON	3RS ET	22.2049	113.8345	SUMMER	NONE	P
16-Jun-20	4	1310	CWD	3	WL	2	65	ON	3RS ET	22.2532	113.8336	SUMMER	NONE	P
16-Jun-20	5	1345	CWD	8	WL	2	203	ON	3RS ET	22.1945	113.8423	SUMMER	NONE	S
18-Jun-20	1	1248	CWD	5	SWL	2	118	ON	3RS ET	22.1970	113.9082	SUMMER	NONE	P
18-Jun-20	2	1321	CWD	6	SWL	3	85	ON	3RS ET	22.1937	113.8972	SUMMER	GILLNETTER	P
18-Jun-20	3	1550	CWD	2	SWL	3	46	ON	3RS ET	22.1852	113.8492	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
22-Jun-20	1	1144	CWD	4	SWL	2	807	ON	3RS ET	22.1939	113.9179	SUMMER	NONE	P
22-Jun-20	2	1256	CWD	4	SWL	3	178	ON	3RS ET	22.1881	113.9054	SUMMER	NONE	S
22-Jun-20	3	1321	CWD	3	SWL	2	898	ON	3RS ET	22.2123	113.8979	SUMMER	NONE	P
22-Jun-20	4	1344	CWD	4	SWL	2	386	ON	3RS ET	22.1934	113.8979	SUMMER	NONE	P
22-Jun-20	5	1432	CWD	1	SWL	3	520	ON	3RS ET	22.1688	113.8879	SUMMER	NONE	P
22-Jun-20	6	1453	CWD	5	SWL	3	305	ON	3RS ET	22.1898	113.8883	SUMMER	NONE	P
22-Jun-20	7	1548	CWD	1	SWL	3	225	ON	3RS ET	22.1795	113.8686	SUMMER	NONE	P
22-Jun-20	8	1607	CWD	1	SWL	2	67	ON	3RS ET	22.1904	113.8593	SUMMER	NONE	P
22-Jun-20	9	1614	CWD	2	SWL	2	36	ON	3RS ET	22.1824	113.8596	SUMMER	NONE	P
6-Jul-20	1	1037	CWD	1	WL	3	326	ON	3RS ET	22.2643	113.8574	SUMMER	NONE	S
6-Jul-20	2	1111	CWD	11	WL	4	634	ON	3RS ET	22.2468	113.8514	SUMMER	NONE	S
6-Jul-20	3	1216	CWD	1	WL	3	284	ON	3RS ET	22.2120	113.8363	SUMMER	NONE	P
6-Jul-20	4	1245	CWD	2	WL	3	329	ON	3RS ET	22.1961	113.8400	SUMMER	NONE	P
13-Jul-20	1	1033	CWD	5	WL	2	1238	ON	3RS ET	22.2672	113.8600	SUMMER	NONE	S
13-Jul-20	2	1126	CWD	4	WL	3	601	ON	3RS ET	22.2416	113.8299	SUMMER	NONE	P
13-Jul-20	3	1144	CWD	5	WL	3	1020	ON	3RS ET	22.2377	113.8266	SUMMER	NONE	S
13-Jul-20	4	1203	CWD	1	WL	3	13	ON	3RS ET	22.2235	113.8242	SUMMER	NONE	P
13-Jul-20	5	1223	CWD	4	WL	3	322	ON	3RS ET	22.2142	113.8266	SUMMER	NONE	P
13-Jul-20	6	1304	CWD	18	WL	3	211	ON	3RS ET	22.2020	113.8240	SUMMER	NONE	S
13-Jul-20	7	1338	CWD	19	WL	3	221	ON	3RS ET	22.1962	113.8332	SUMMER	NONE	P
13-Jul-20	8	1410	CWD	4	WL	3	129	ON	3RS ET	22.1910	113.8419	SUMMER	NONE	S
20-Jul-20	1	1028	CWD	1	SWL	2	171	ON	3RS ET	22.2119	113.9359	SUMMER	NONE	P
20-Jul-20	2	1237	CWD	1	SWL	2	268	ON	3RS ET	22.1767	113.9072	SUMMER	NONE	S
20-Jul-20	3	1249	CWD	4	SWL	2	362	ON	3RS ET	22.1845	113.9046	SUMMER	NONE	S
20-Jul-20	4	1407	CWD	9	SWL	3	255	ON	3RS ET	22.1673	113.8883	SUMMER	NONE	P
20-Jul-20	5	1424	CWD	5	SWL	2	243	ON	3RS ET	22.1776	113.8883	SUMMER	NONE	P
20-Jul-20	6	1510	CWD	1	SWL	2	130	ON	3RS ET	22.1765	113.8784	SUMMER	NONE	P
20-Jul-20	7	1532	CWD	5	SWL	3	247	ON	3RS ET	22.1682	113.8685	SUMMER	NONE	P
20-Jul-20	8	1604	CWD	3	SWL	2	51	ON	3RS ET	22.1962	113.8586	SUMMER	NONE	P
20-Jul-20	9	1640	CWD	2	SWL	2	42	ON	3RS ET	22.1921	113.8494	SUMMER	NONE	P
21-Jul-20	1	1054	FP	7	SWL	1	146	ON	3RS ET	22.1486	113.9340	SUMMER	NONE	S
21-Jul-20	2	1255	CWD	3	SWL	3	46	ON	3RS ET	22.1928	113.8977	SUMMER	NONE	P
21-Jul-20	3	1410	CWD	2	SWL	2	161	ON	3RS ET	22.1915	113.8790	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
21-Jul-20	4	1426	CWD	3	SWL	2	241	ON	3RS ET	22.1723	113.8788	SUMMER	NONE	P
21-Jul-20	5	1511	CWD	4	SWL	2	21	ON	3RS ET	22.1962	113.8587	SUMMER	NONE	P
21-Jul-20	6	1537	CWD	1	SWL	2	524	ON	3RS ET	22.1700	113.8560	SUMMER	NONE	S
21-Jul-20	7	1551	CWD	3	SWL	3	188	ON	3RS ET	22.1862	113.8493	SUMMER	PURSE SEINER	P
22-Jul-20	1	1202	CWD	2	NWL	2	308	ON	3RS ET	22.3963	113.8876	SUMMER	NONE	P

Abbreviations: STG# = Sighting Number; GP SZ = Group Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance (in metres); N/A = Not Applicable; DEC LAT = Latitude (WGS84 in Decimal), DEC LON = Longitude (WGS84 in Decimal); BOAT ASSOC. = Fishing Boat Association; P/S = Primary Transect / Secondary Transect

Notes:

CWD monitoring survey data of the two preceding survey months are presented for reference only. No relevant figure or text will be mentioned in this monthly EM&A report.

Sighting data of finless porpoise (FP) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report. All FP sightings are excluded in calculation.

Calculation of the encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 394.792 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 27 on-effort sightings and total number of 113 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in July 2020 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in July 2020

$$STG = \frac{27}{394.792}\ x\ 100 = 6.84$$

Encounter Rate by Number of Dolphins (ANI) in July 2020

$$ANI = \frac{113}{394.792}\ x\ 100 = 28.62$$

Calculation of the running quarterly STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 1228.858 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 60 on-effort sightings and total number of 260 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

Running Quarterly Encounter Rate by Number of Dolphin Sightings (STG)

$$STG = \frac{60}{1228.858}\ x\ 100 = 4.88$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{260}{1228.858}\ x\ 100 = 21.16$$

CWD Small Vessel Line-transect Survey **Photo Identification**

WLMM102_20200706_1_6

NLMM060_20200706_2_8

WLMM030_20200706_2_3

WLMM071_20200706_2_2

WLMM107_20200706_2_6

WLMM136_20200706_2_5

WLMM149_20200706_2_10

WLMM154_20200706_2_11

SLMM014_20200706_3_1	NLMM020_20200706_4_1
NLMM034_20200713_1_3	WLMM038_20200713_1_13
WLMM098_20200713_1_3	WLMM155_20200713_1_4
WLMM156_20200713_1_6	WLMM030_20200713_2_2

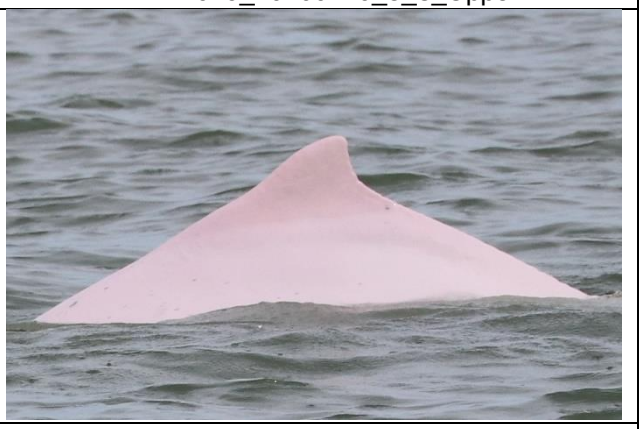
WLMM086_20200713_2_5	WLMM091_20200713_2_1
WLMM092_20200713_2_2	WLMM091_20200713_3_2
WLMM092_20200713_3_4	NLMM012_20200713_4_4
NLMM013_20200713_5_3	NLMM052_20200713_5_2

WLMM043_20200713_5_4	WLMM089_20200713_5_2
SLMM007_20200713_6_4	SLMM010_20200713_6_3
WLMM001_20200713_6_1	WLMM009_20200713_6_1
WLMM060_20200713_6_8	WLMM080_20200713_6_5

WLMM085_20200713_6_4	WLMM112_20200713_6_10
SLMM003_20200713_7_3	SLMM007_20200713_7_5
SLMM025_20200713_7_3	SLMM049_20200713_7_3
SLMM052_20200713_7_3	WLMM001_20200713_7_4

WLMM047_20200713_7_9	WLMM079_20200713_7_16
WLMM085_20200713_7_8	WLMM147_20200713_7_3_Lower
WLMM157_20200713_7_4	WLMM158_20200713_7_2
WLMM159_20200713_7_2	SLMM060_20200720_1_4

NLMM027_20200720_3_2	SLMM025_20200720_3_5
SLMM062_20200720_3_6	NLMM019_20200720_4_1
WLMM009_20200720_4_5	WLMM028_20200720_4_1
WLMM029_20200720_4_5	SLMM037_20200720_5_2

SLMM049_20200720_5_3	WLMM079_20200720_5_3_Upper
	
WLMM147_20200720_5_3_Lower	NLMM037_20200720_8_3
NLMM037_20200720_9_6	SLMM012_20200721_2_6
SLMM062_20200721_2_3	SLMM070_20200721_2_1_Upper

WLMM063_20200721_3_14	SLMM003_20200721_4_1
WLMM079_20200721_4_10_Right	WLMM147_20200721_4_3_Left
NLMM052_20200721_5_5	SLMM027_20200721_5_1
WLMM008_20200721_5_5	SLMM060_20200721_7_1

WLMM122_20200721_7_3	NLMM063_20200722_1_4
WLMM019_20200722_1_5	

CWD Land-based Theodolite Tracking Survey

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
7/Jul/20	Sha Chau	10:45	16:45	6:00	2-3	1	0	-
15/Jul/20	Lung Kwu Chau	8:54	14:54	6:00	2	1	0	-

Visibility: 1=Excellent, 2=Good, 3=Fair, 4=Poor